

Program EVALPLOT
(Version 2015-2)

by

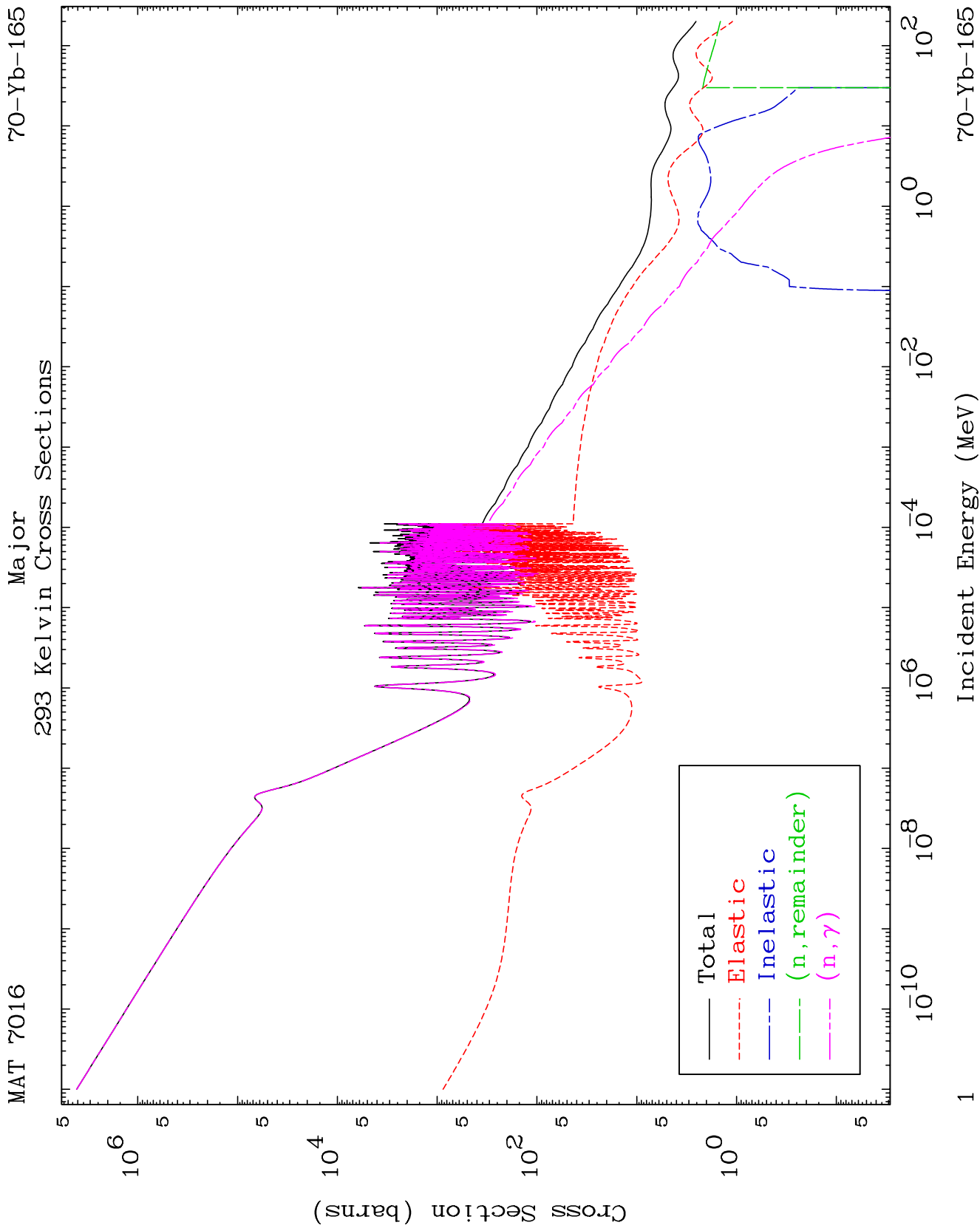
Dermott E. Cullen
(Present Contact Information)

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

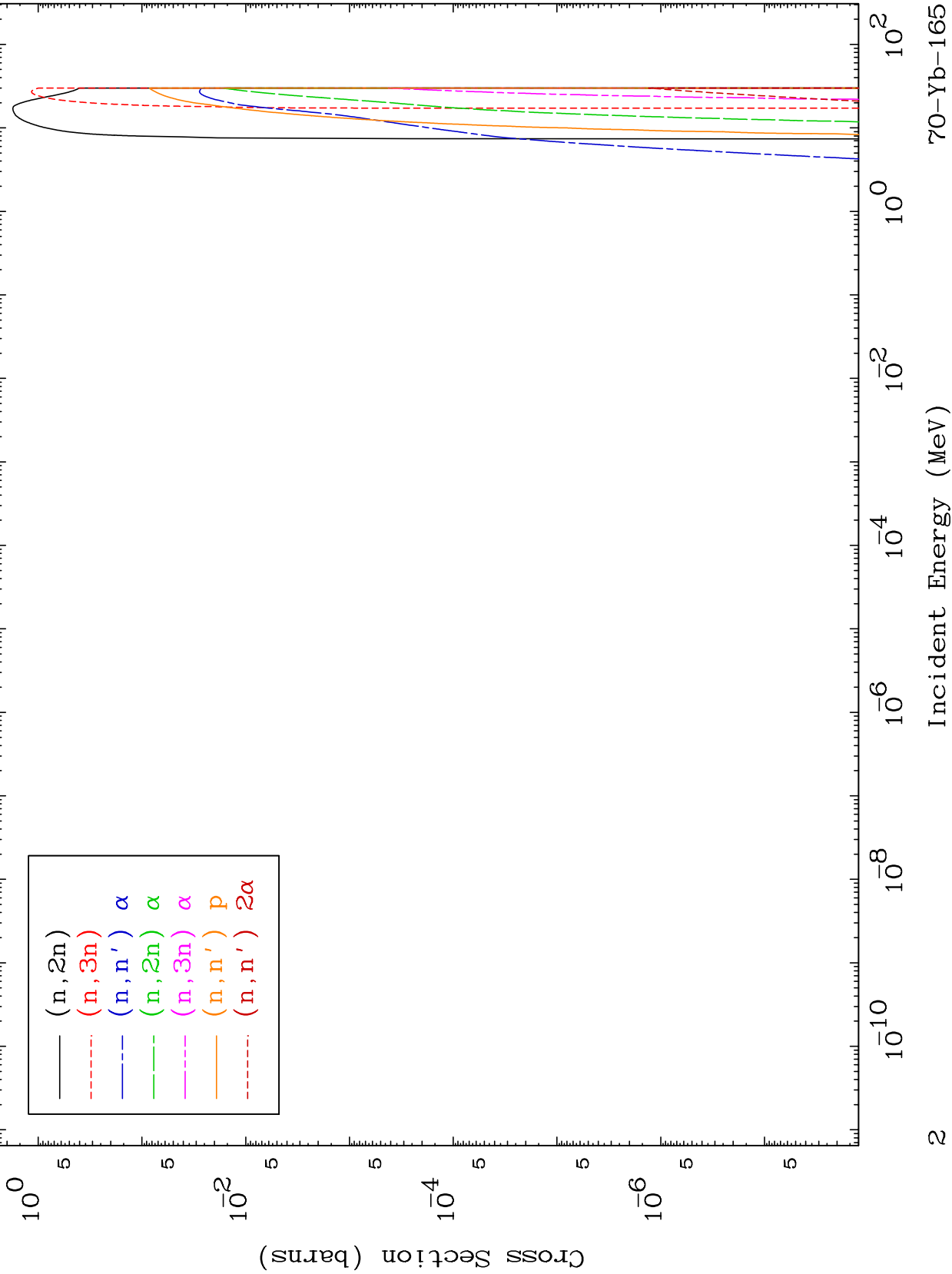
Press Mouse Button to Start

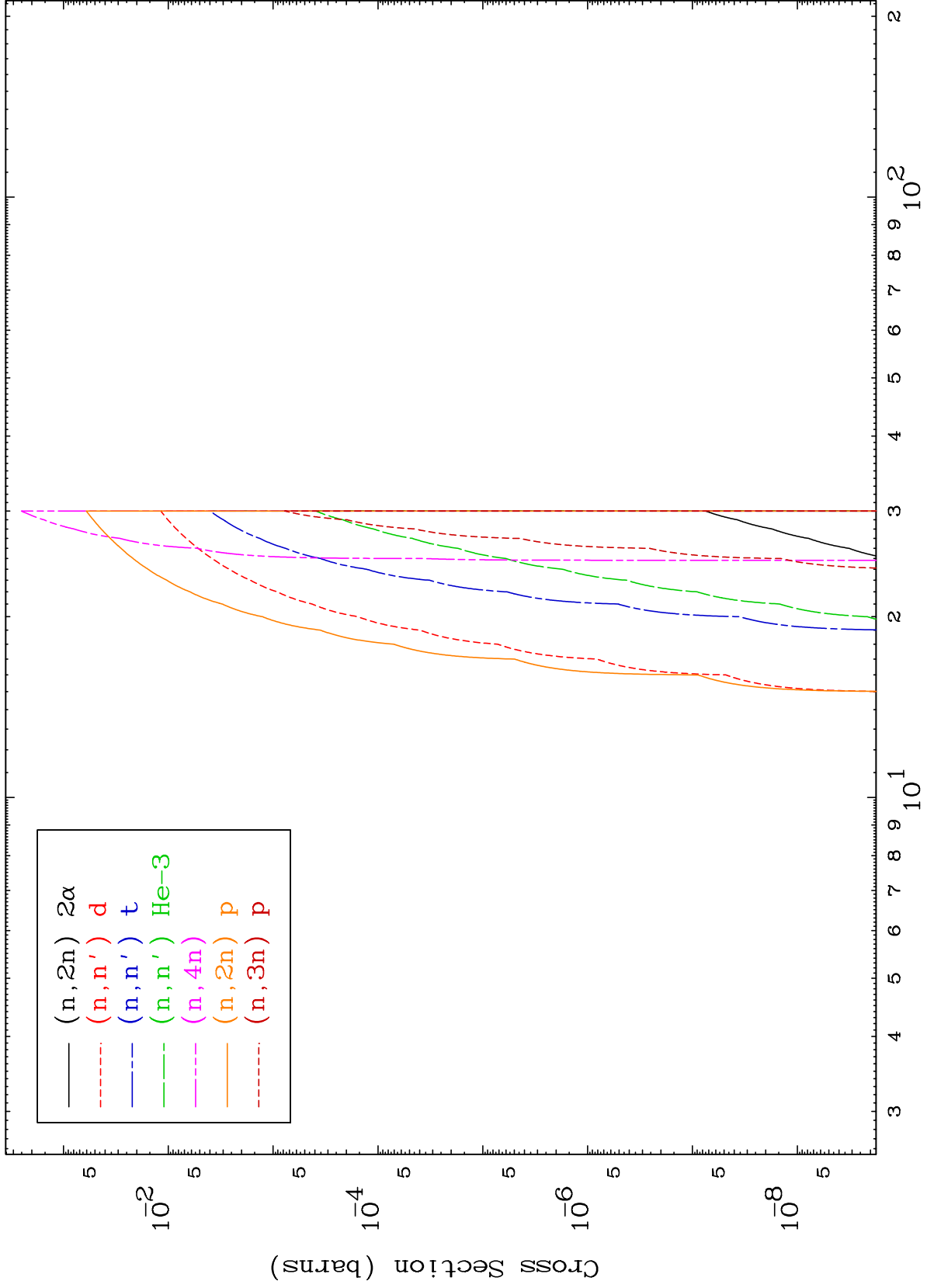


MAT 7016

Neutron Production
293 Kelvin Cross Sections

70-Yb-165

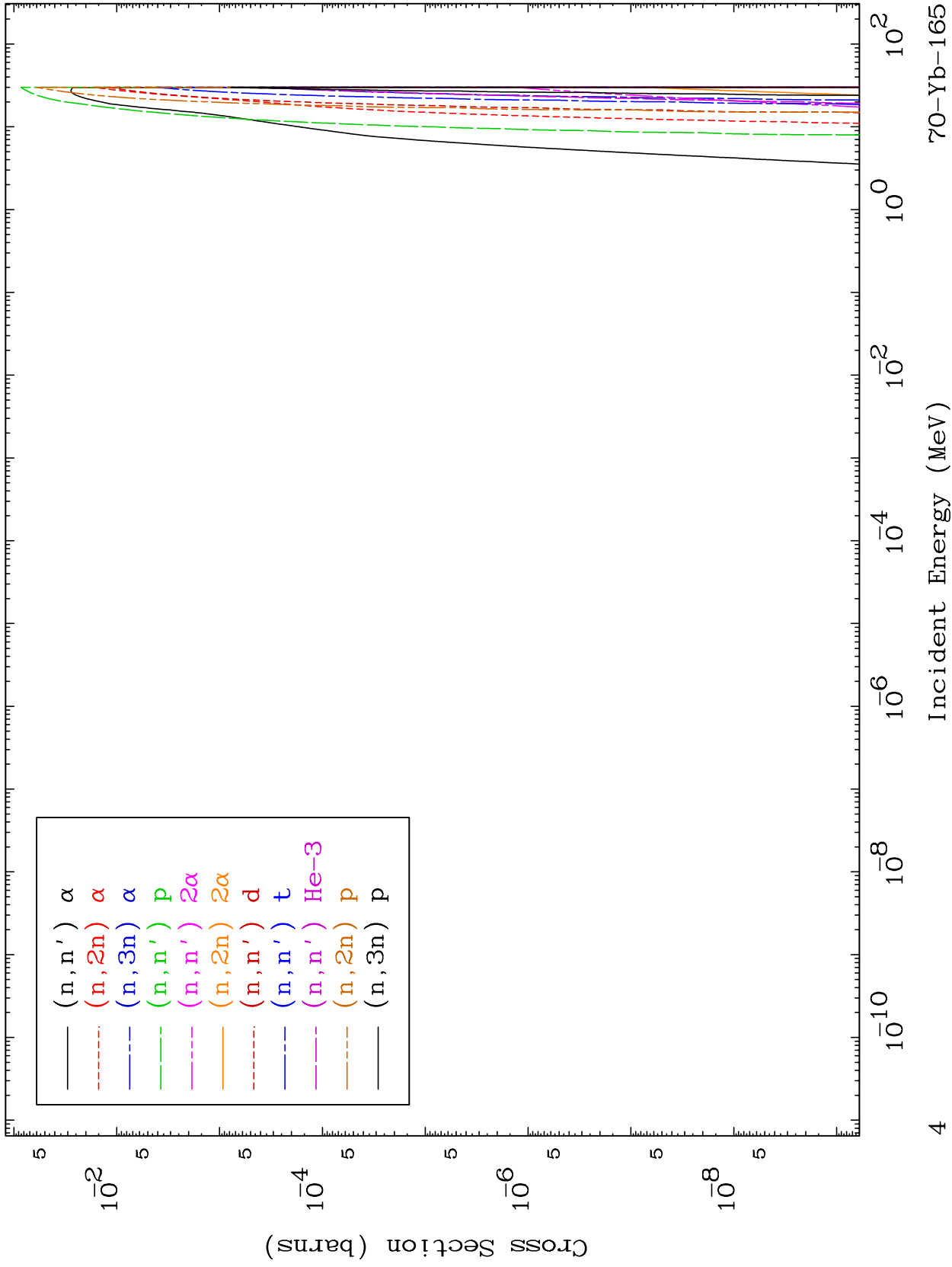


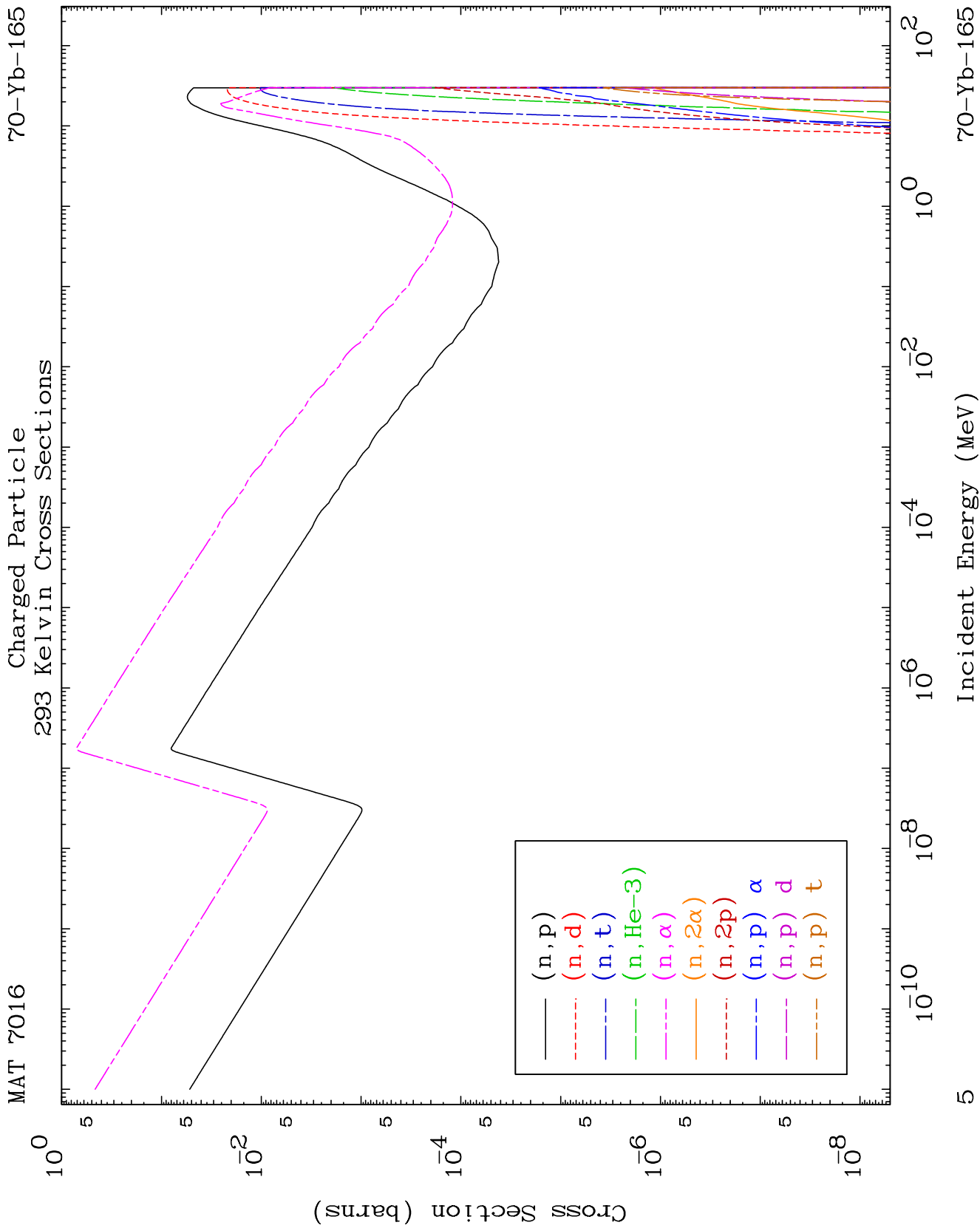


MAT 7016

Charged Particle
293 Kelvin Cross Sections

70-Yb-165

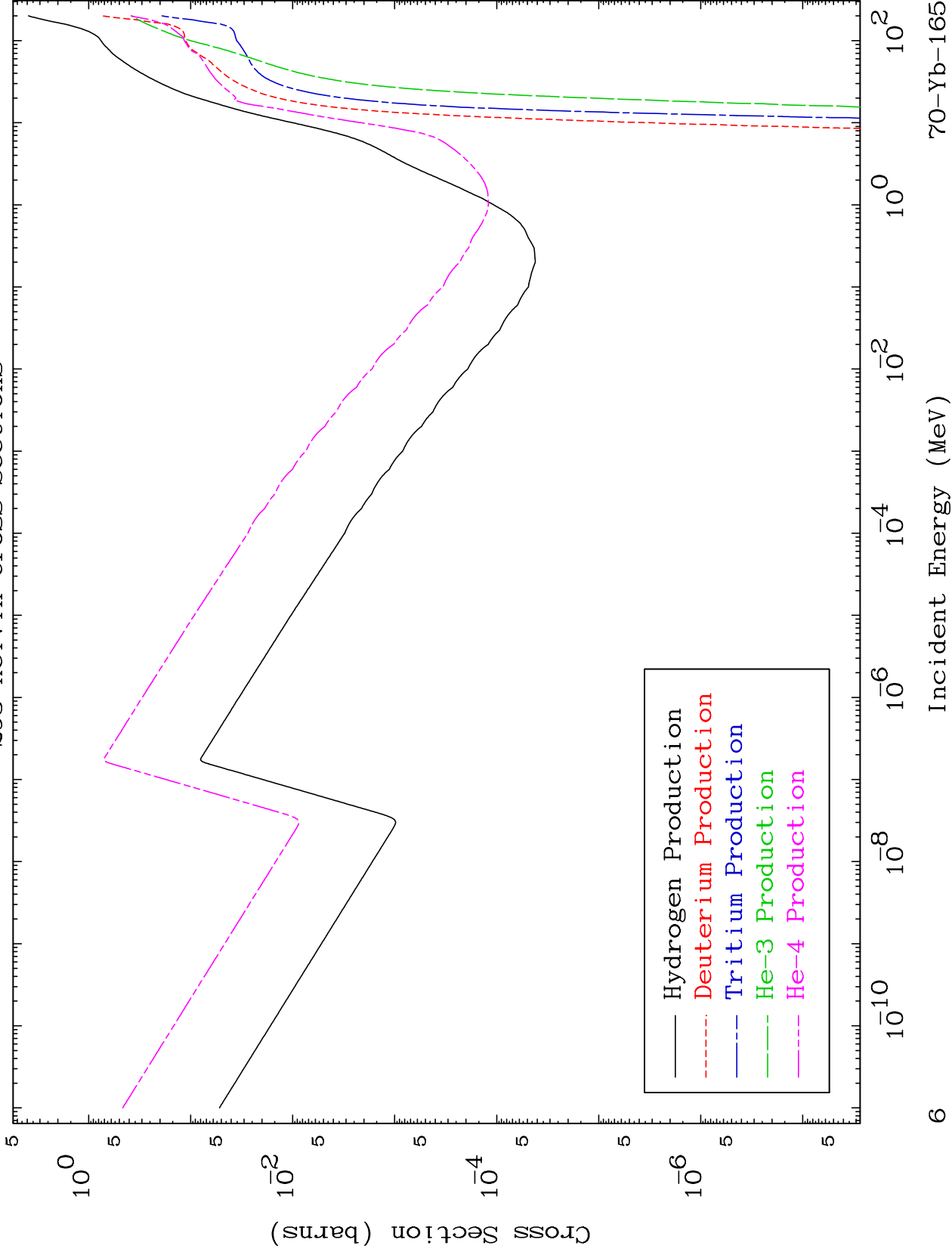




MAT 7016

Particle Production
293 Kelvin Cross Sections

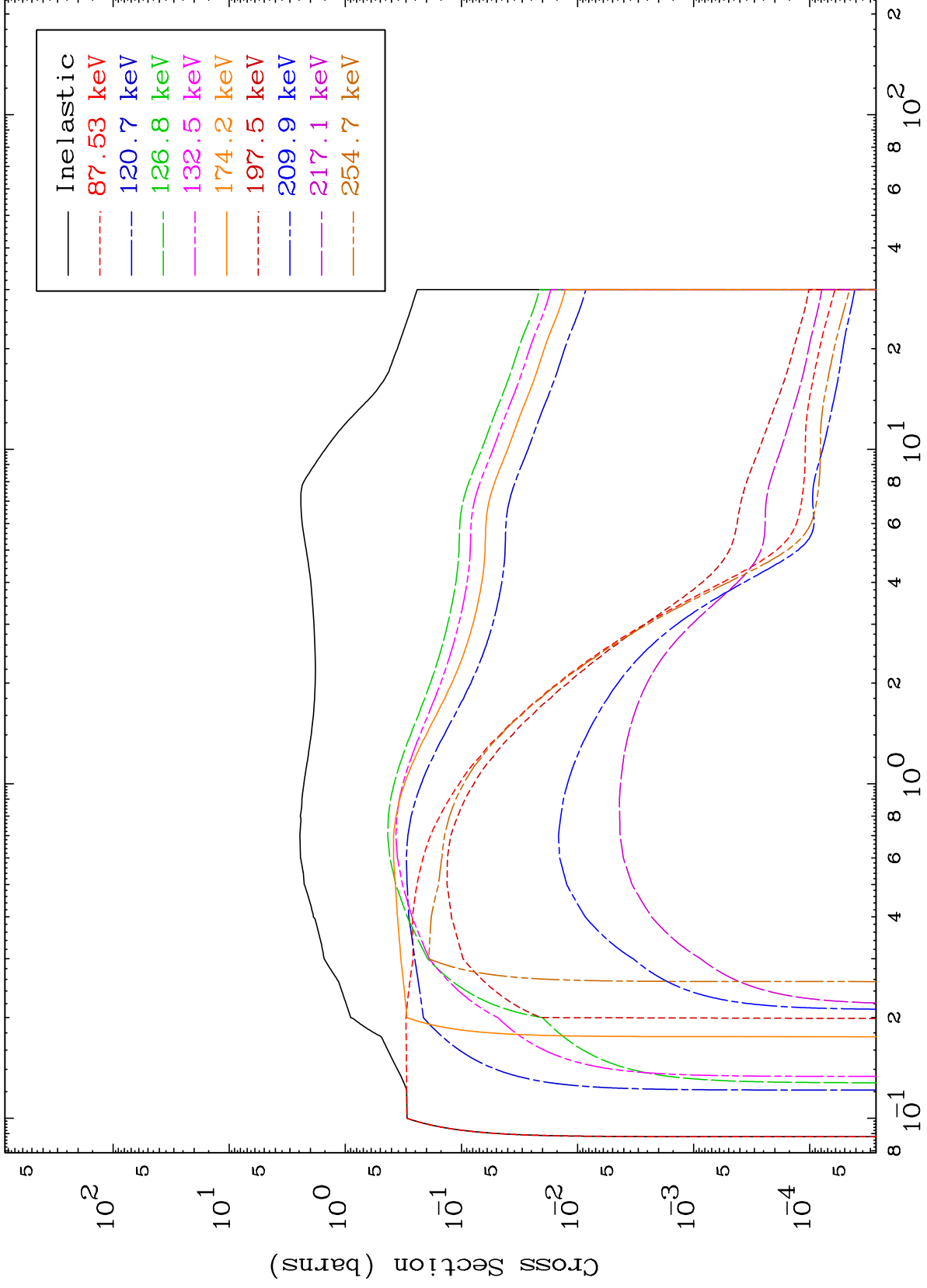
70-Yb-165



MAT 7016

(n,n') Level
293 Kelvin Cross Sections

70-Yb-165



Incident Energy (MeV)

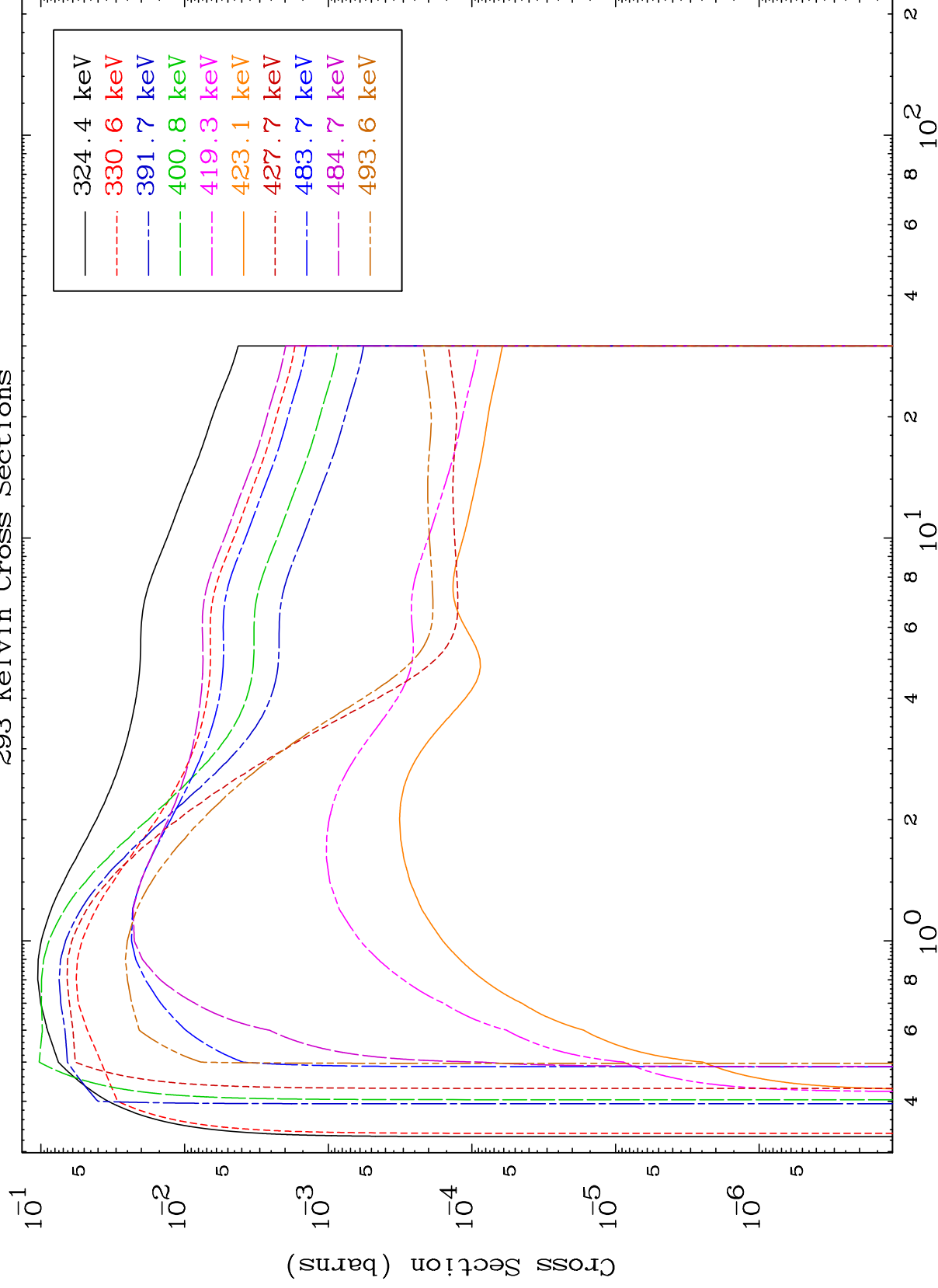
70-Yb-165

7

MAT 7016

(n,n') Level
293 Kelvin Cross Sections

70-Yb-165



8

Incident Energy (MeV)

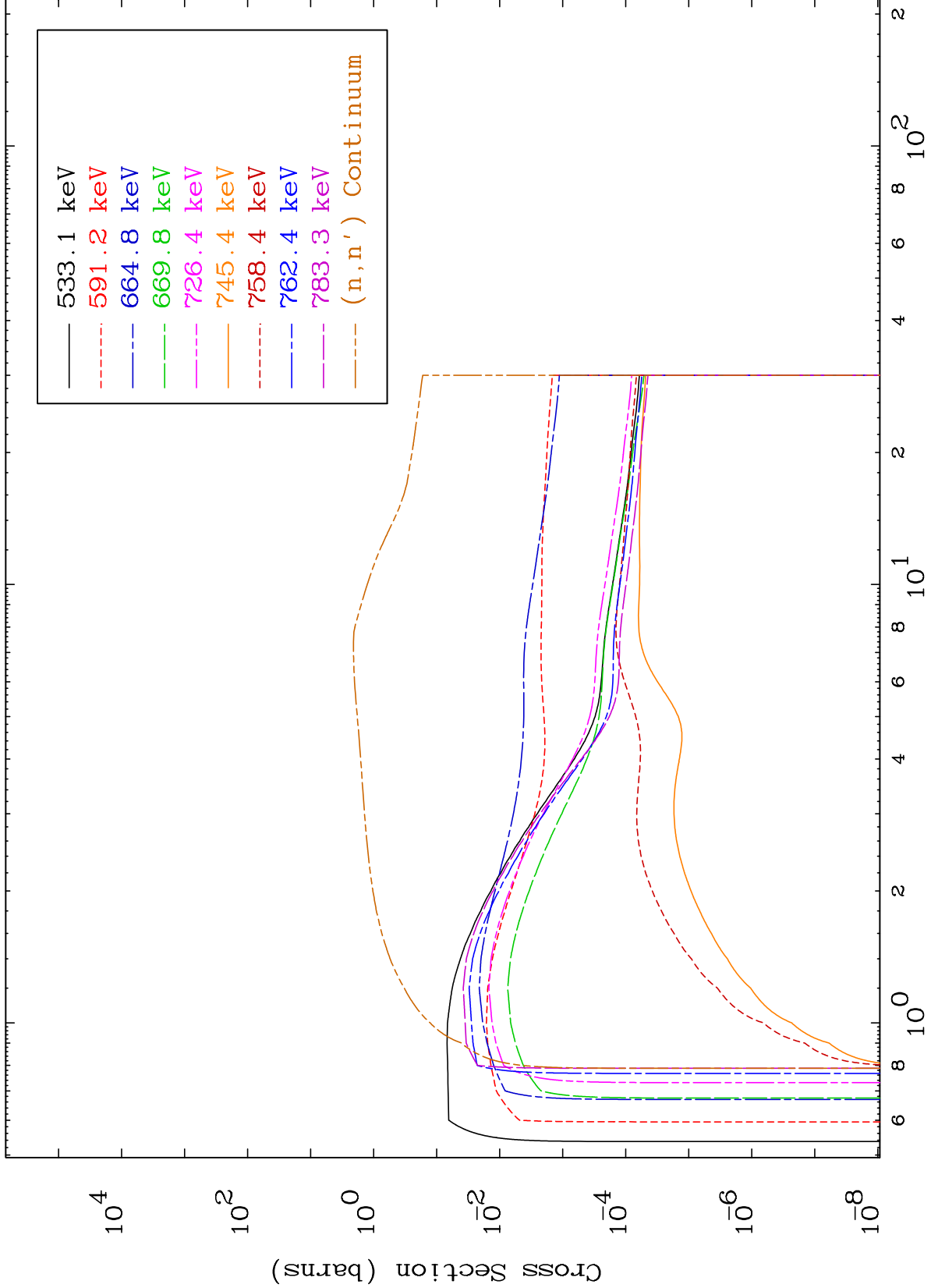
70-Yb-165

MAT 7016

(n,n') Level

70-Yb-165

293 Kelvin Cross Sections



9

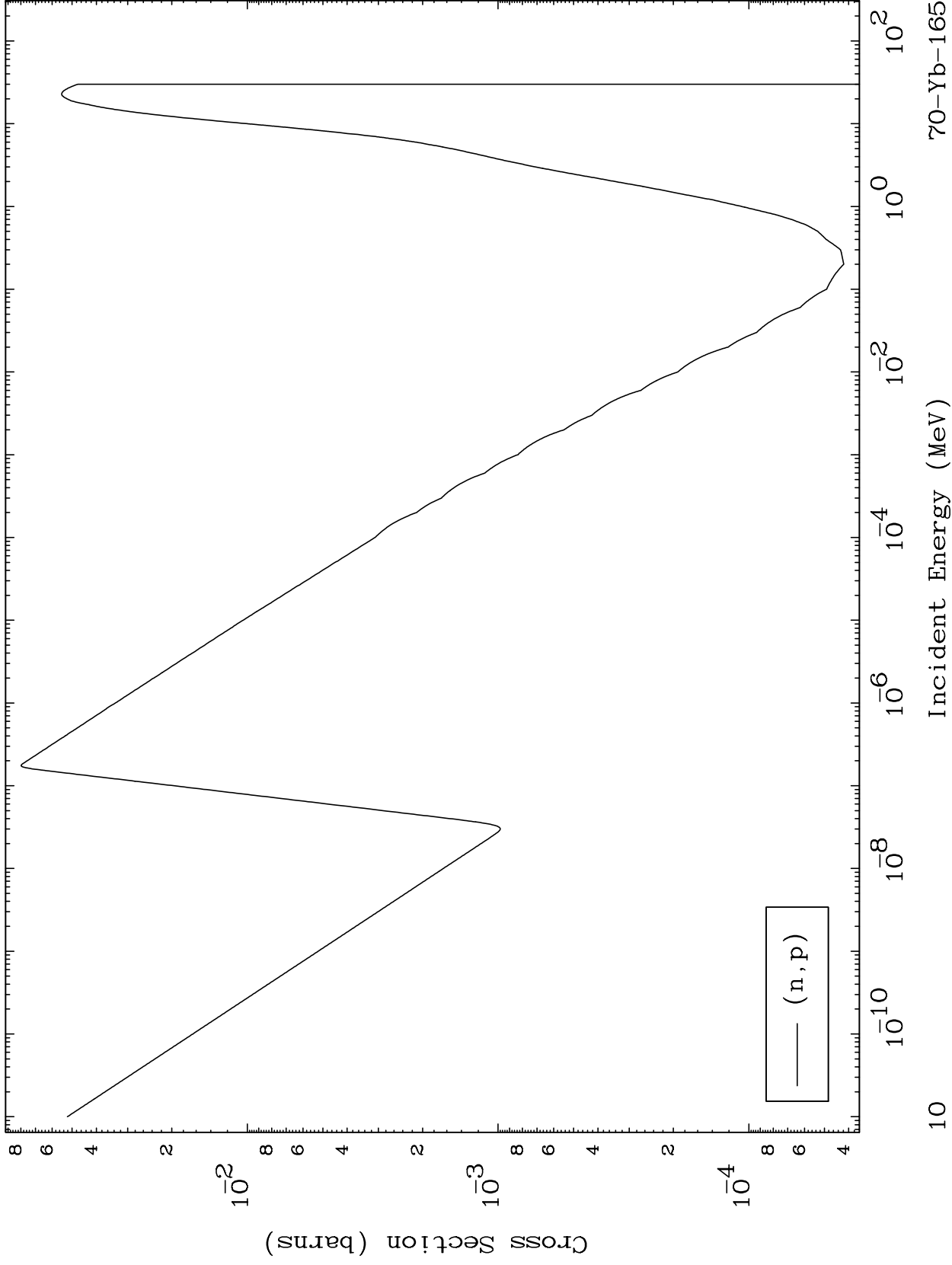
Incident Energy (MeV)

70-Yb-165

MAT 7016

(n,p) Levels
293 Kelvin Cross Sections

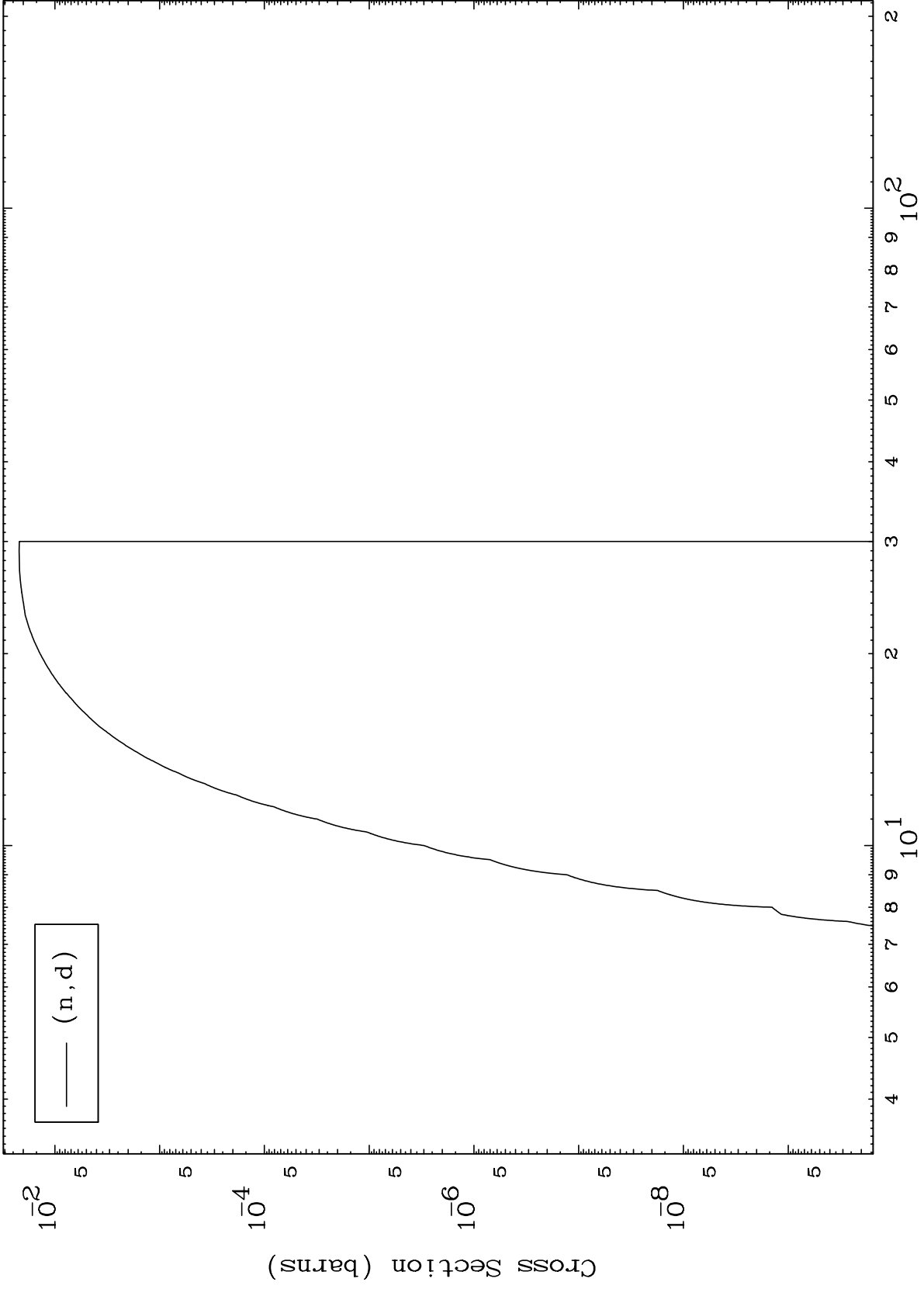
70-Yb-165



MAT 7016

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-165



11

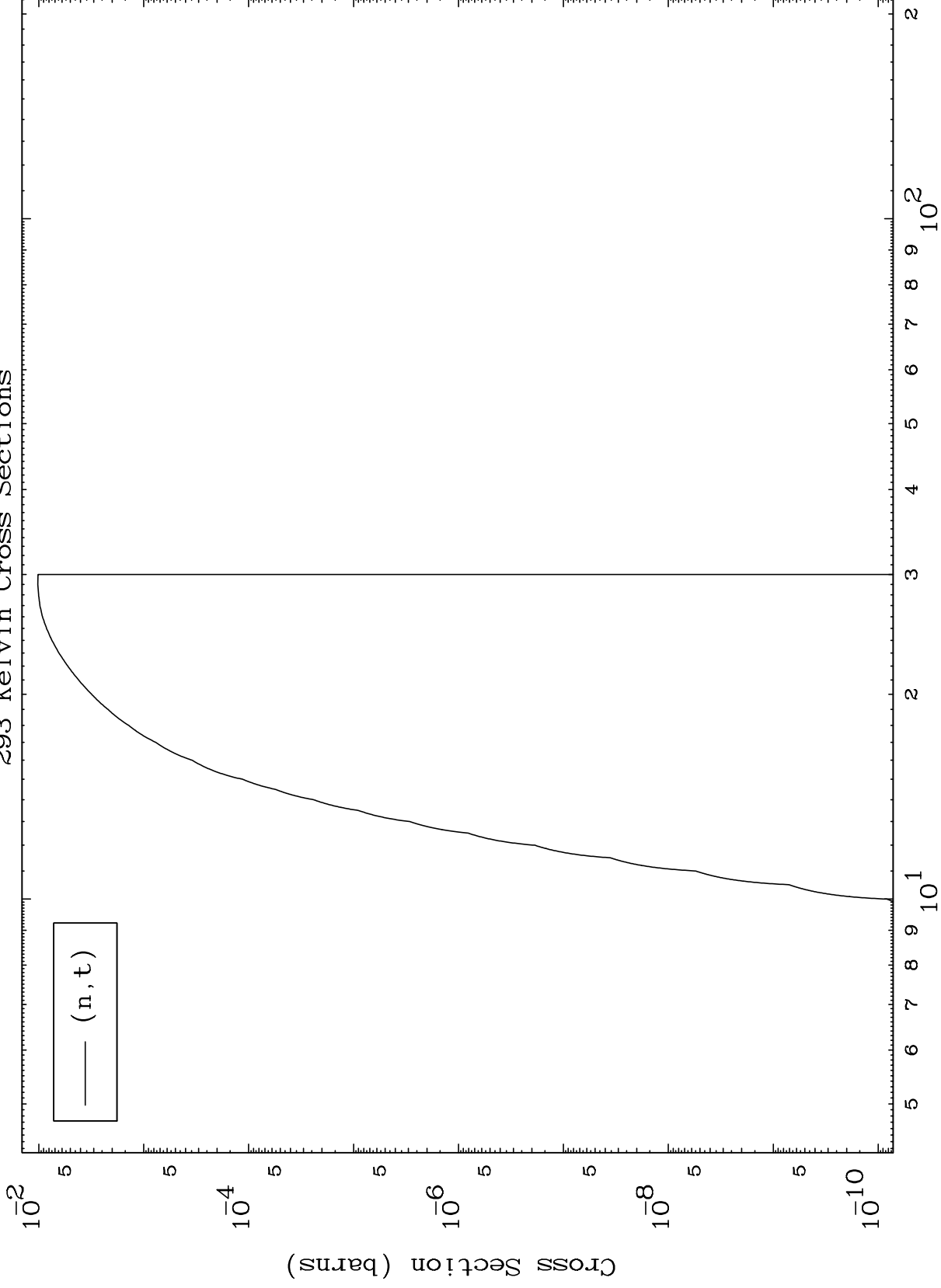
Incident Energy (MeV)

70-Yb-165

MAT 7016

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-165



12

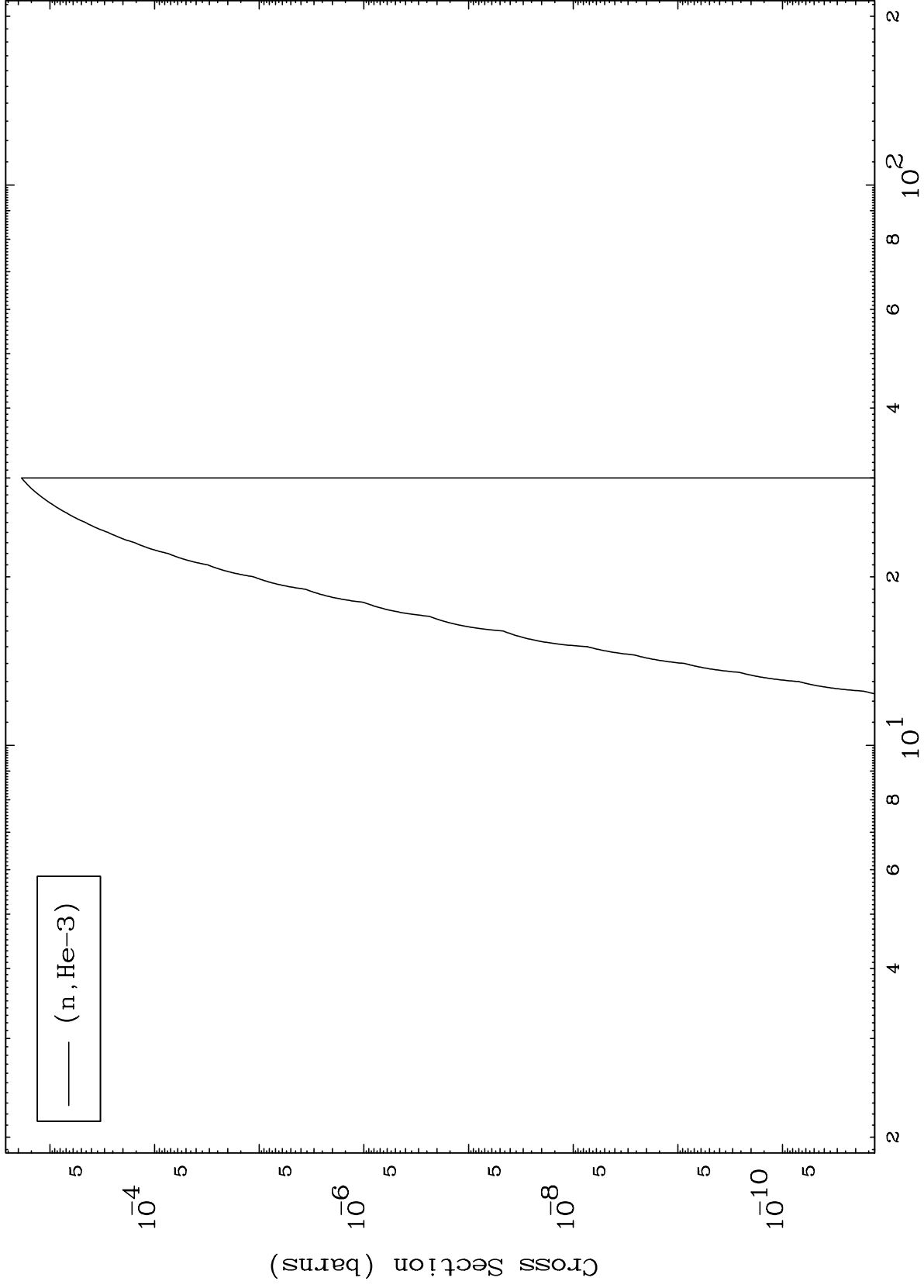
Incident Energy (MeV)

70-Yb-165

MAT 7016

(n,He3) Levels
293 Kelvin Cross Sections

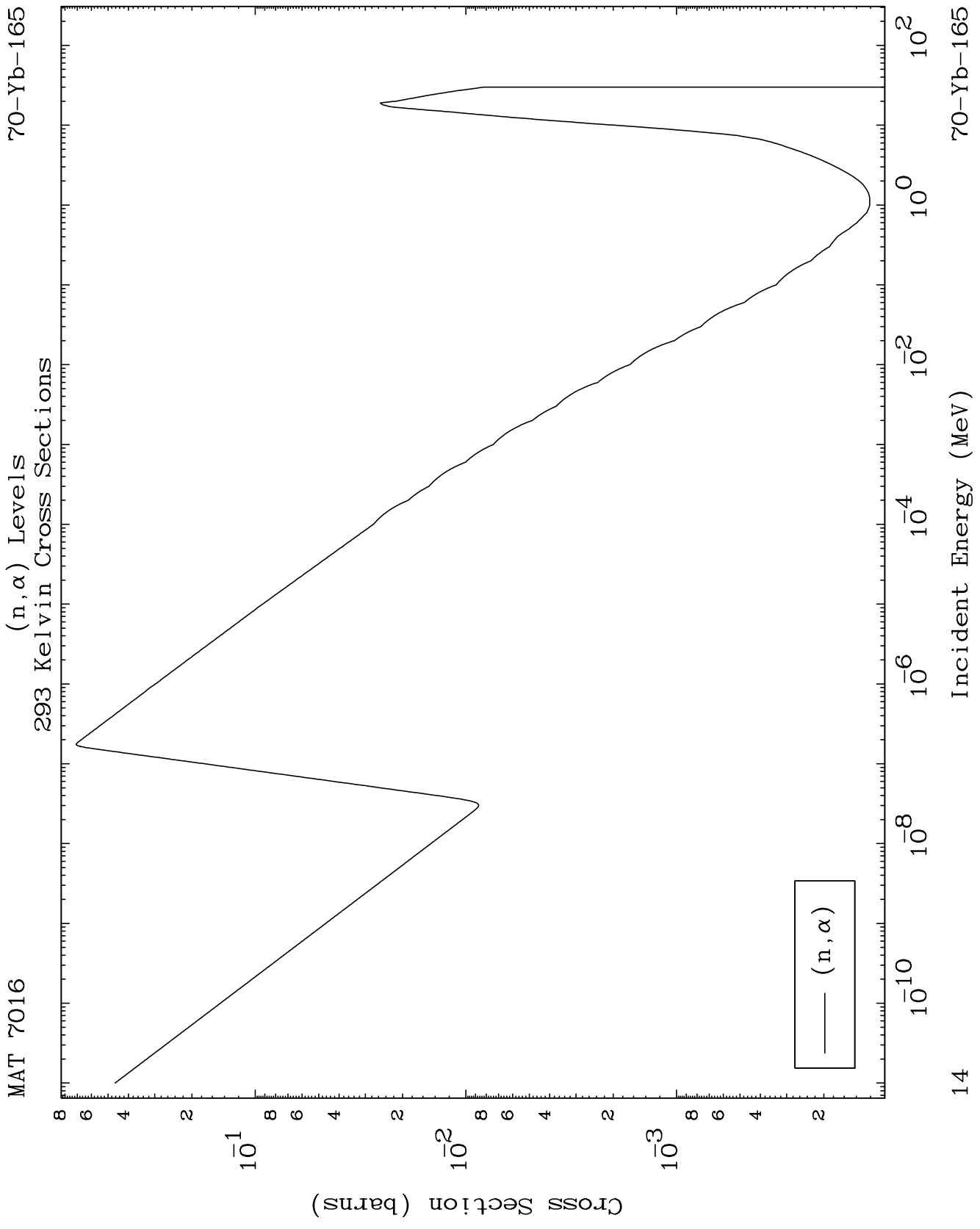
70-Yb-165

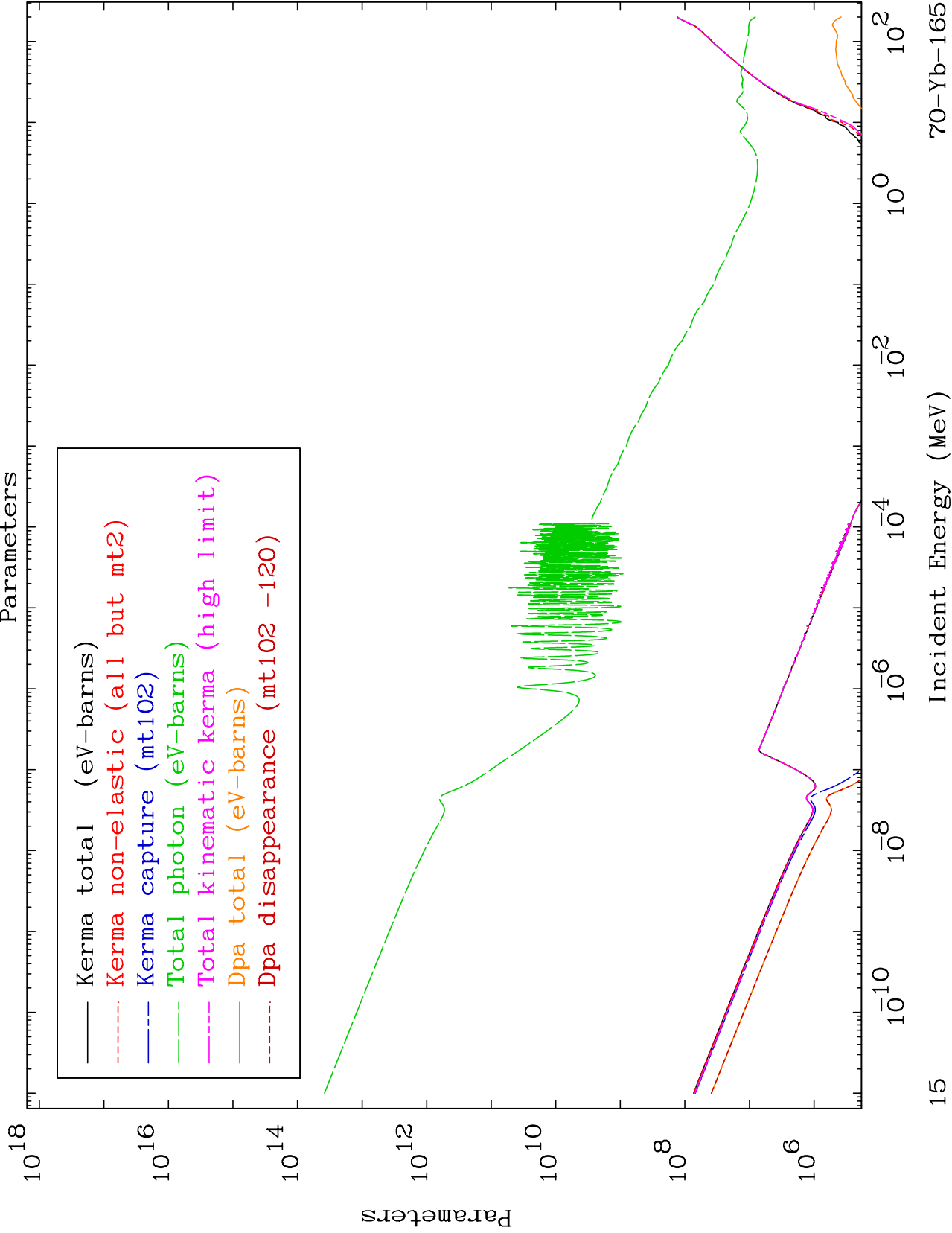


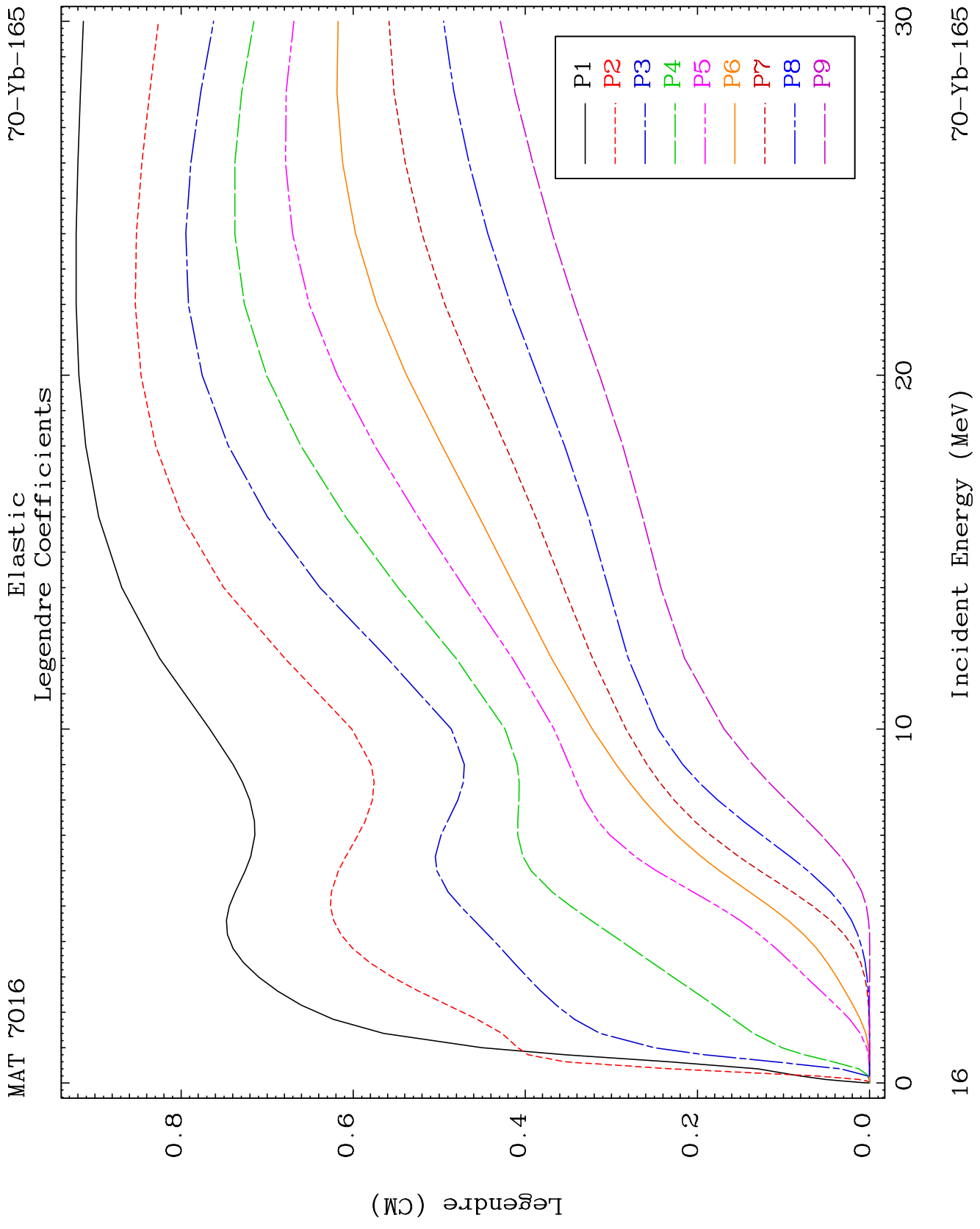
13

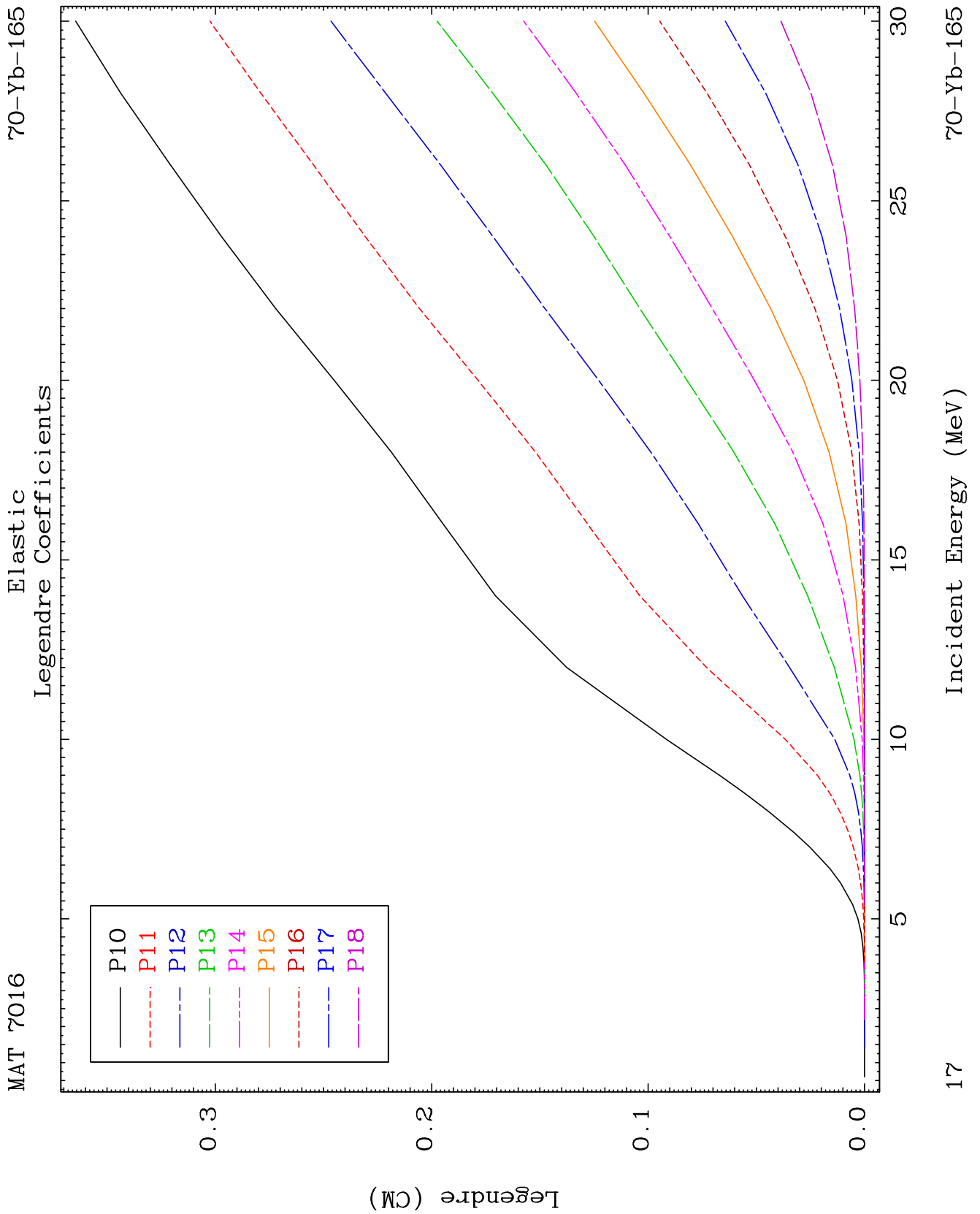
Incident Energy (MeV)

70-Yb-165





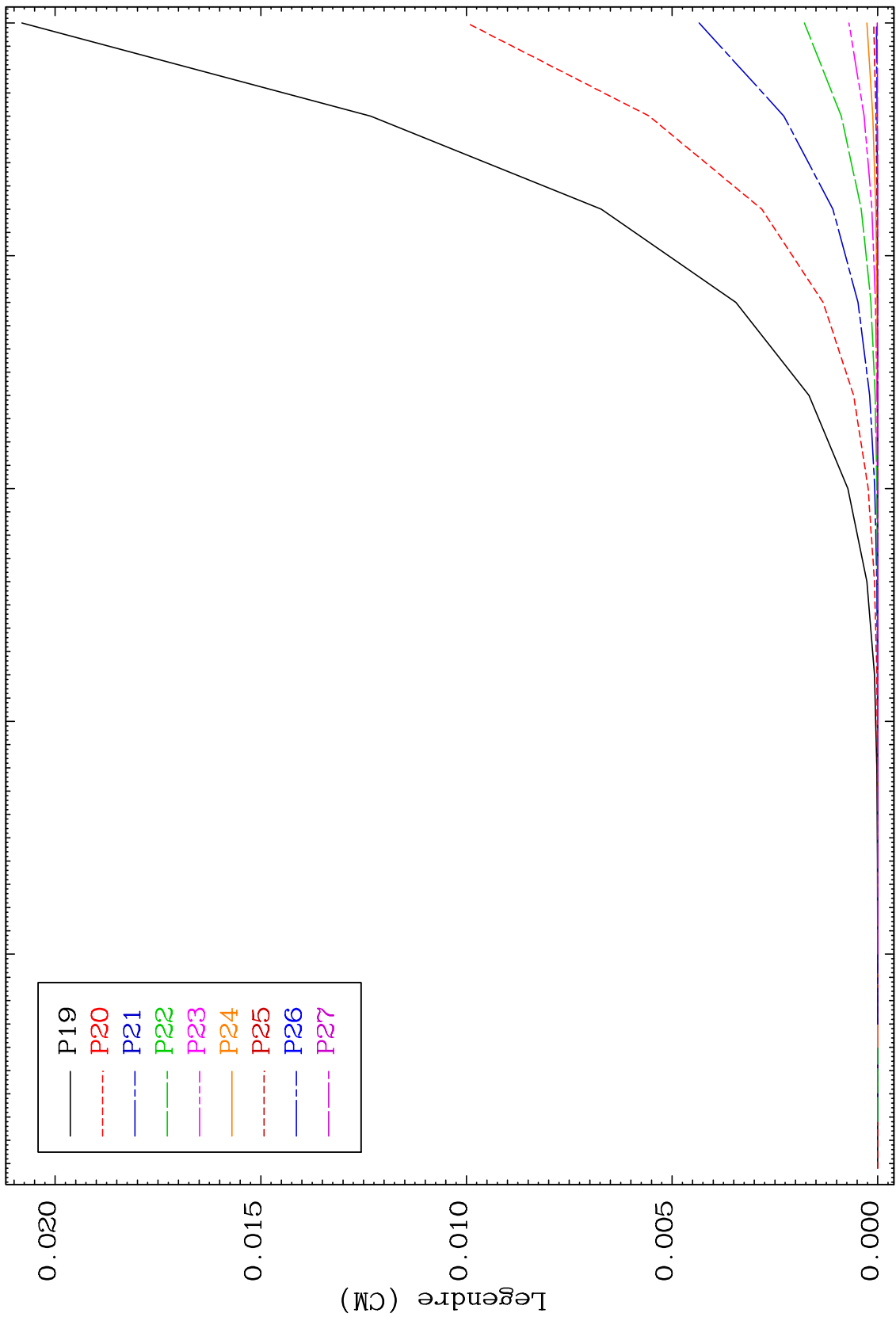




MAT 7016

Elastic Legendre Coefficients

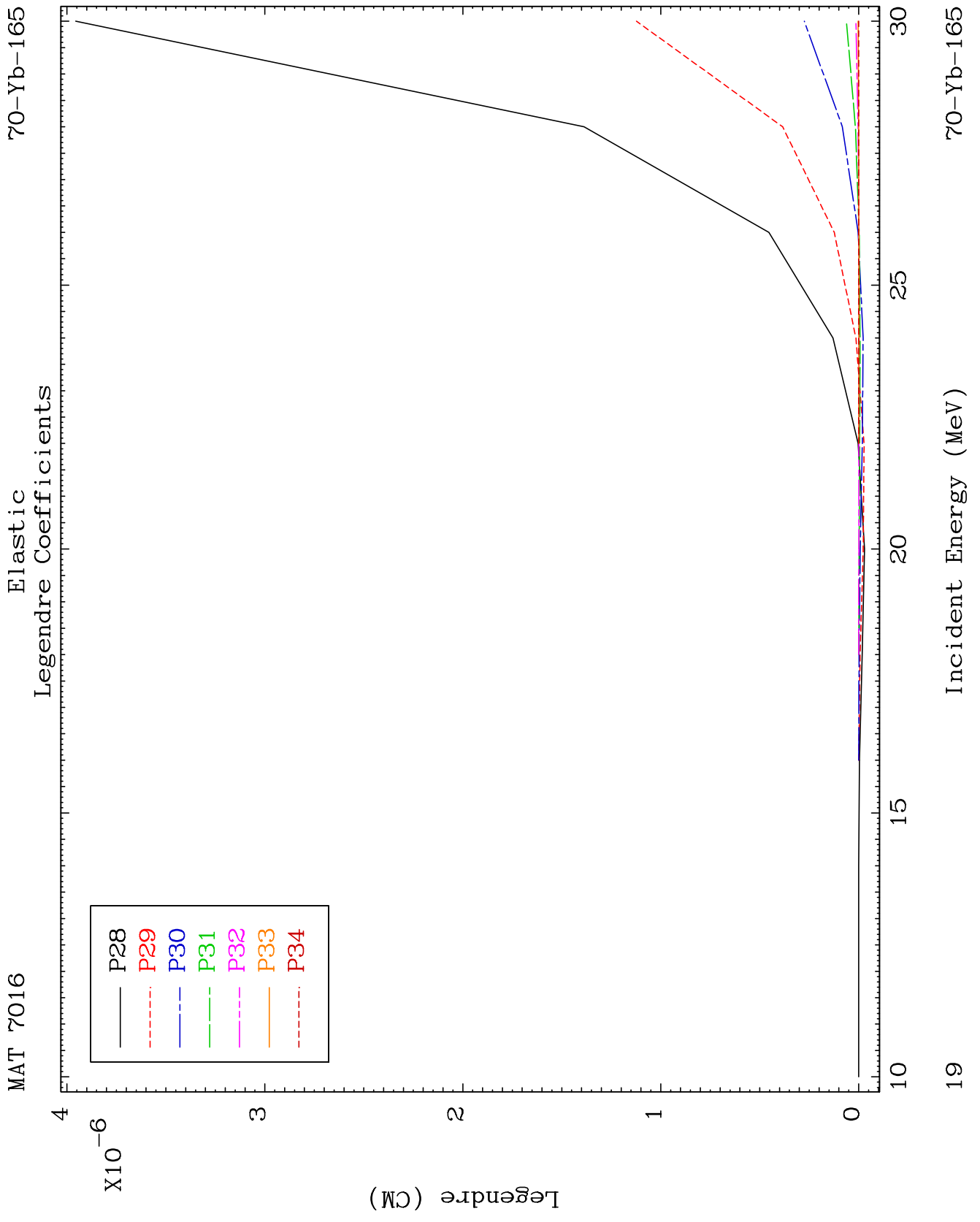
70-Yb-165

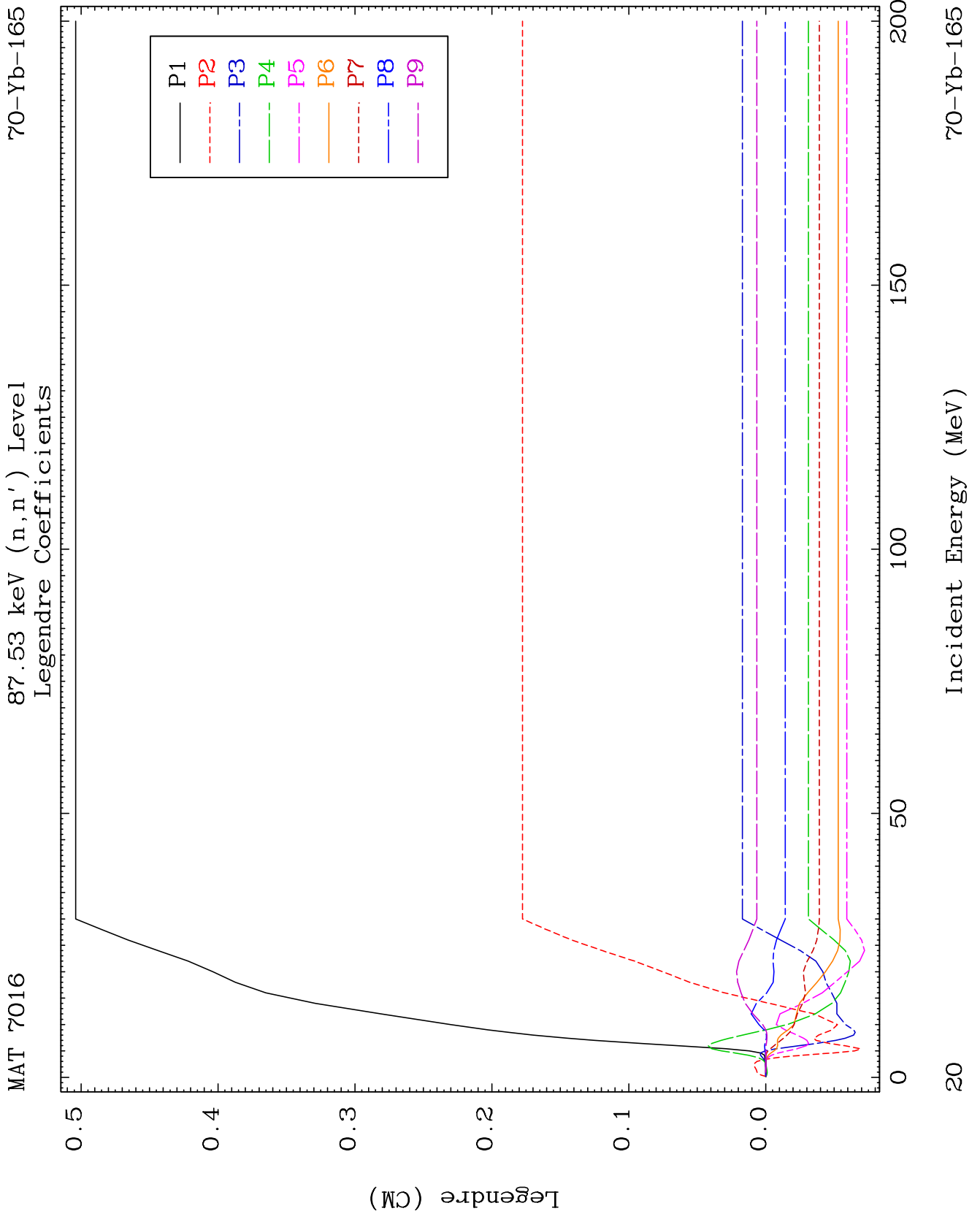


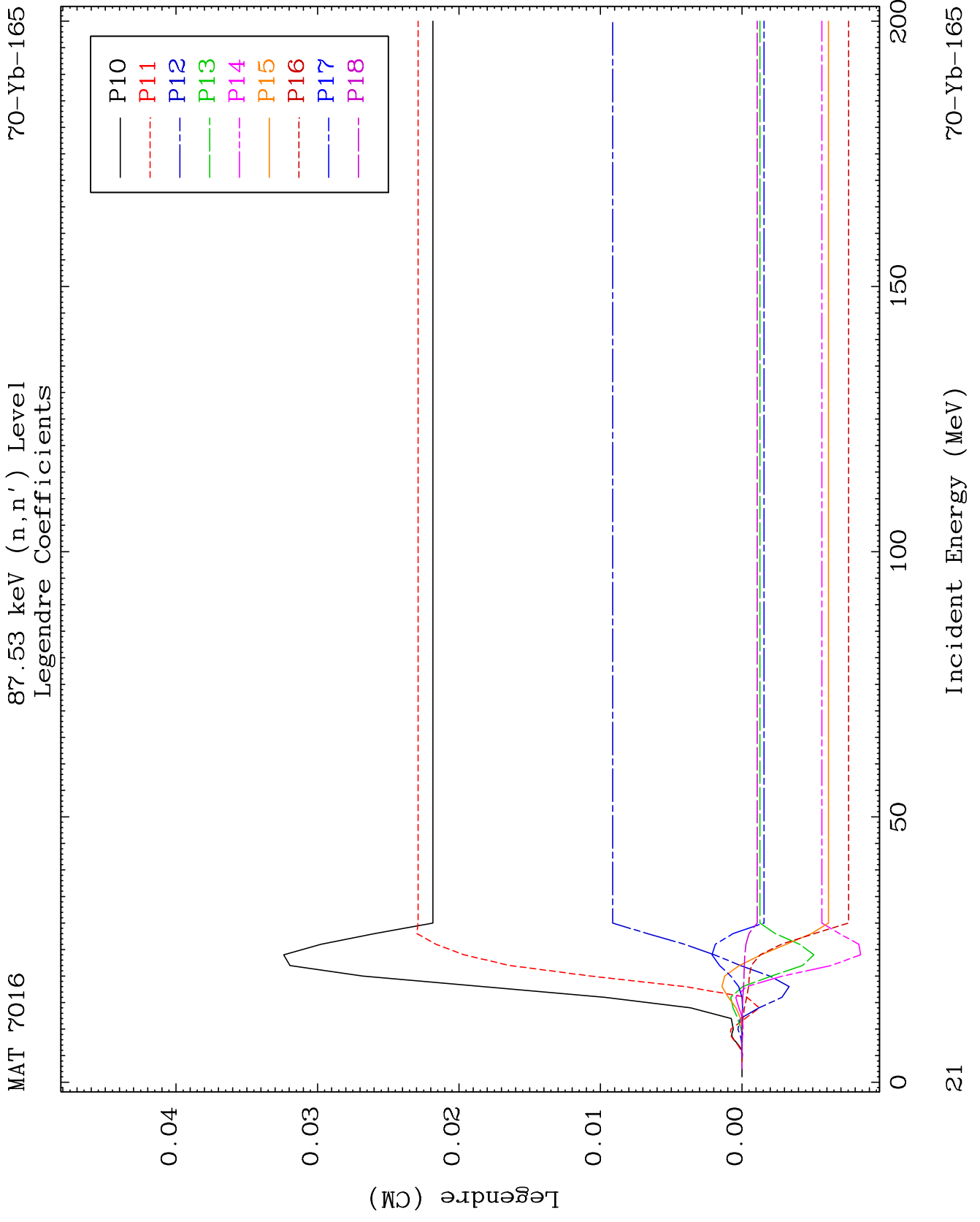
18

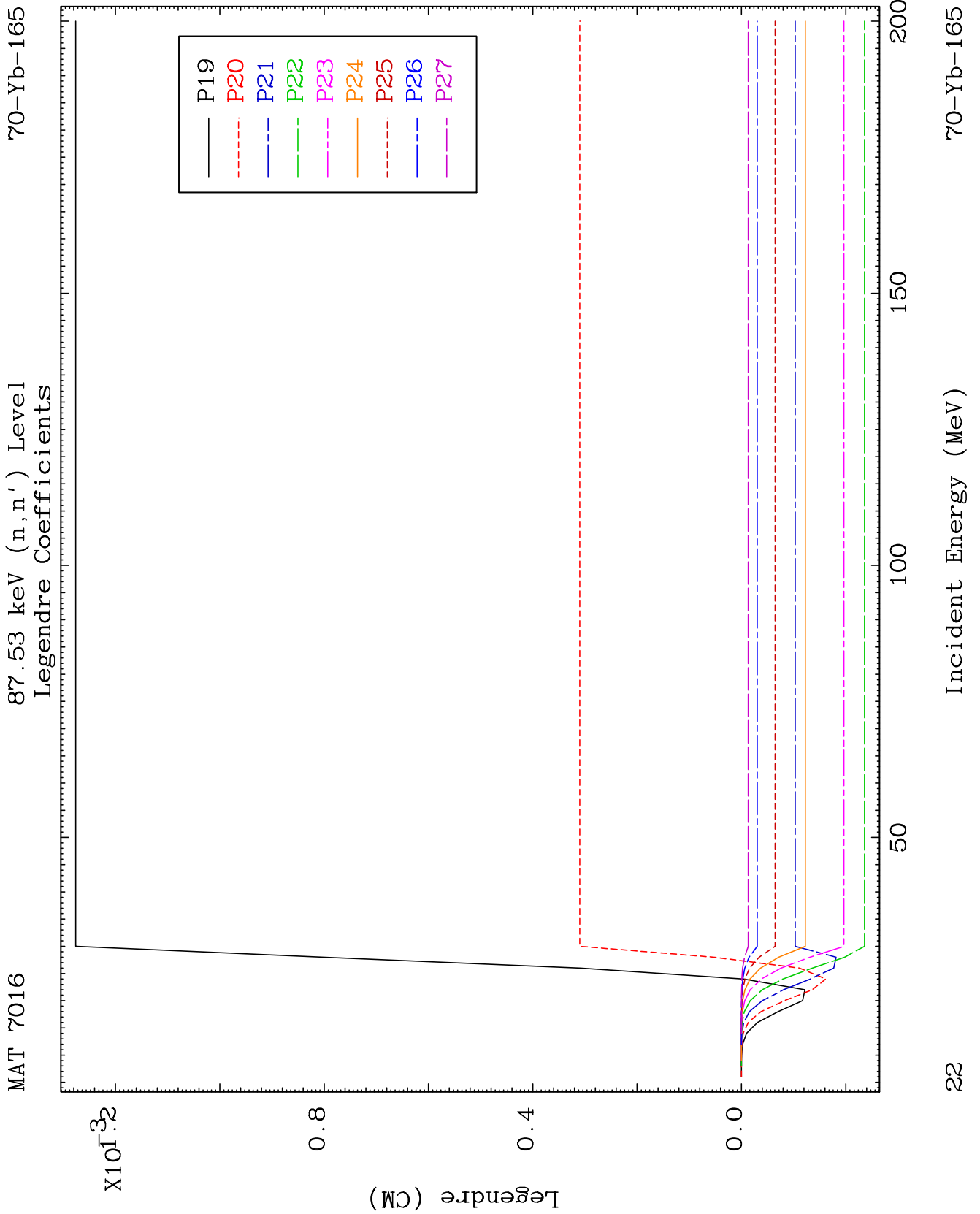
Incident Energy (MeV)

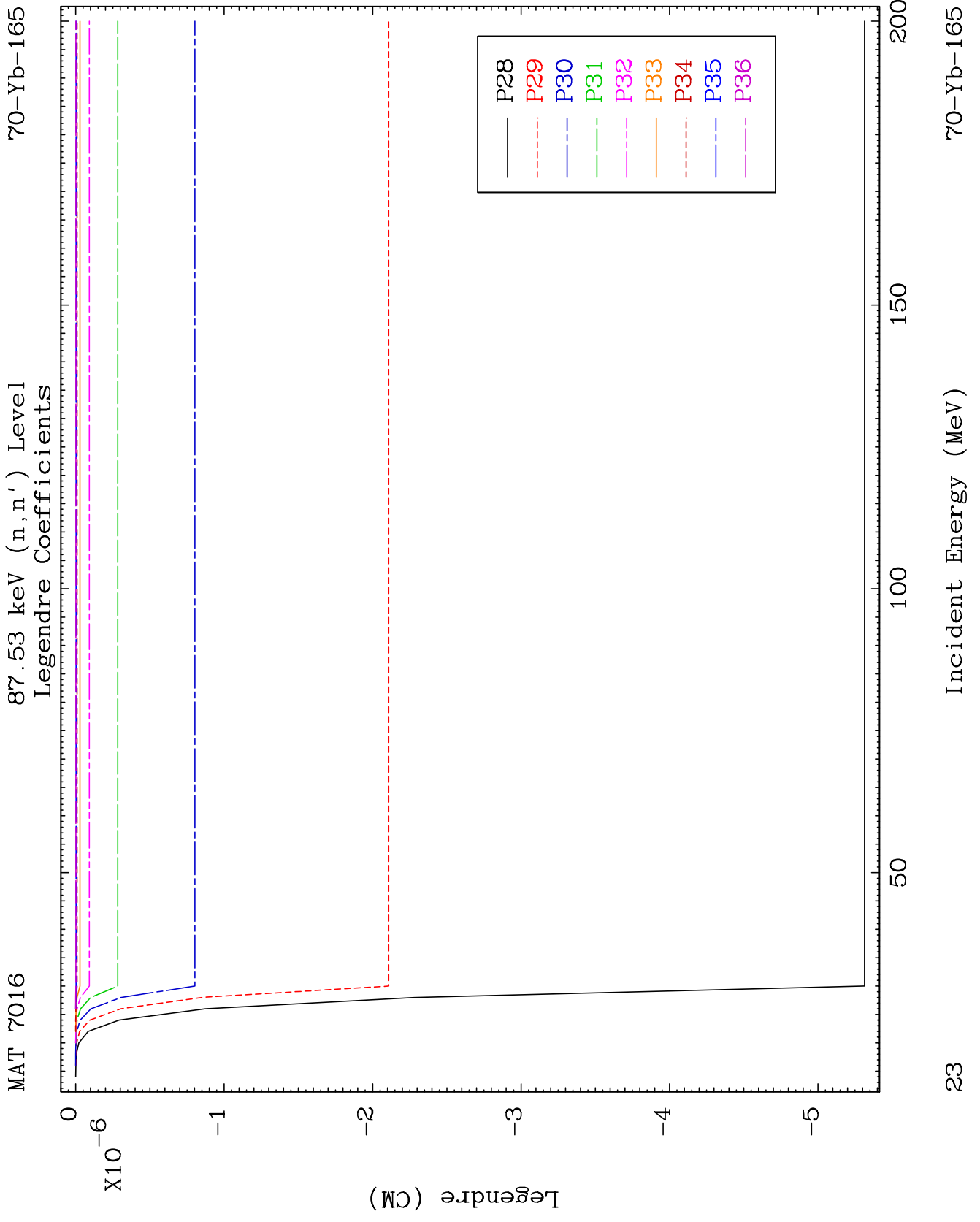
70-Yb-165

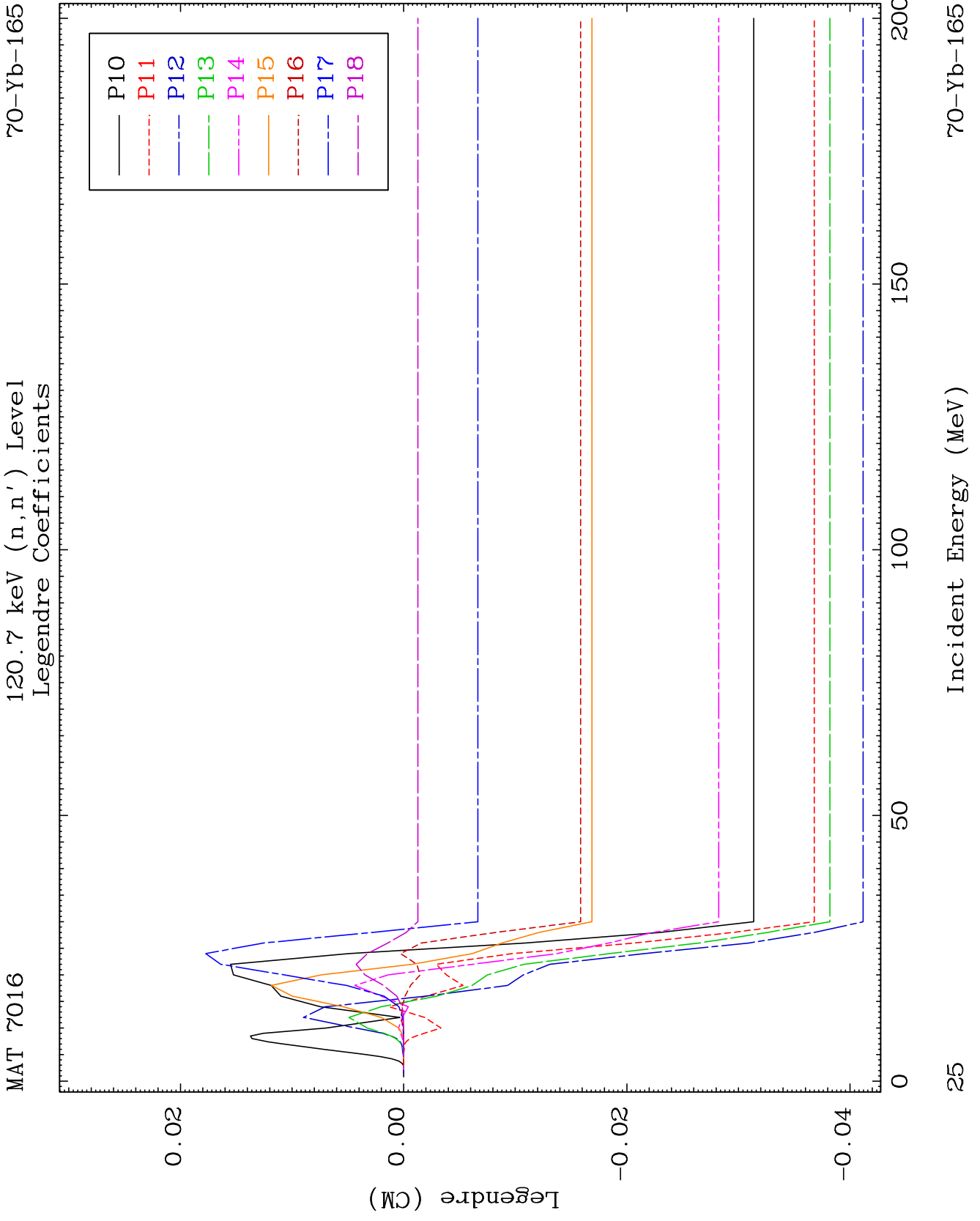


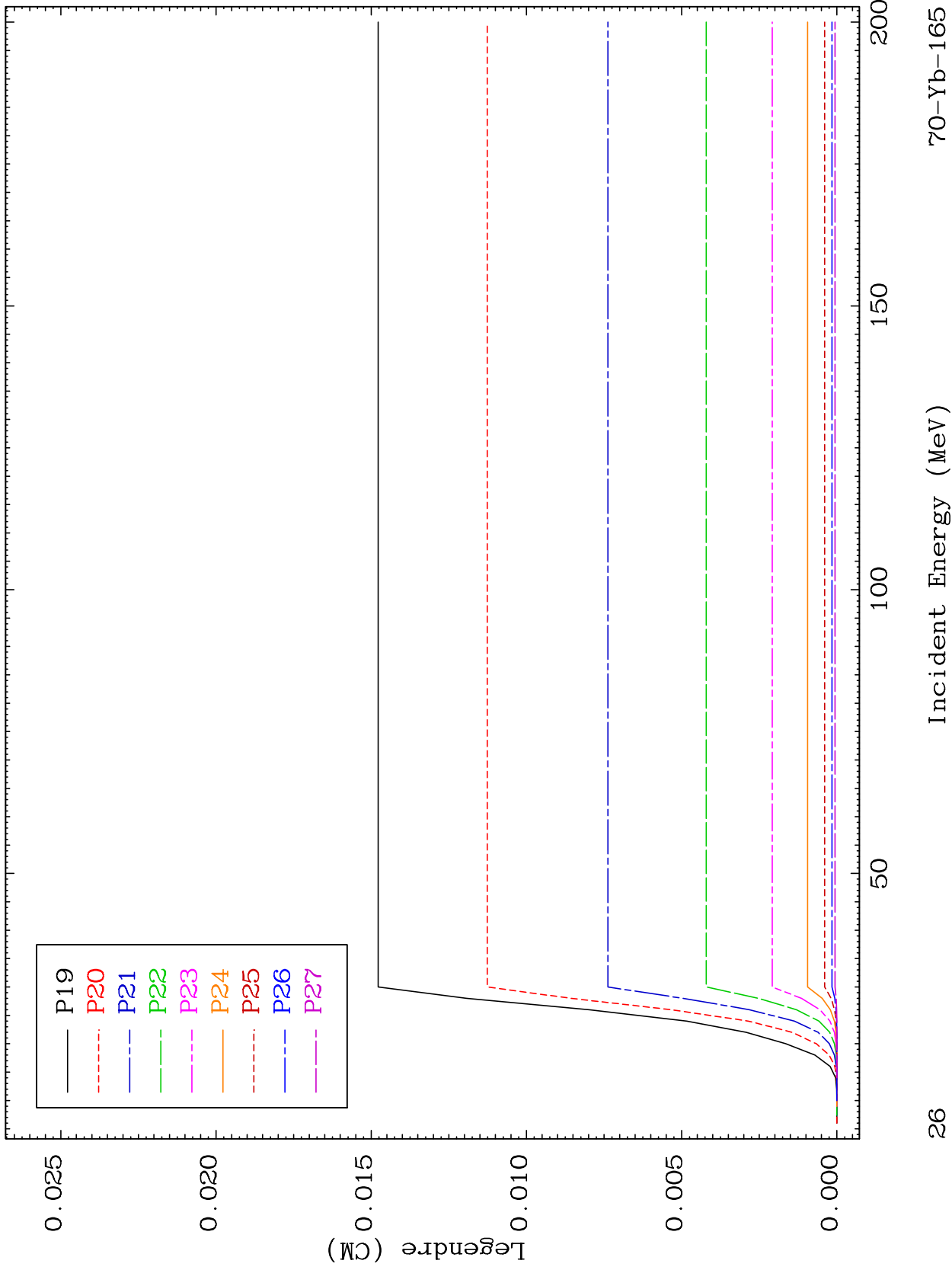


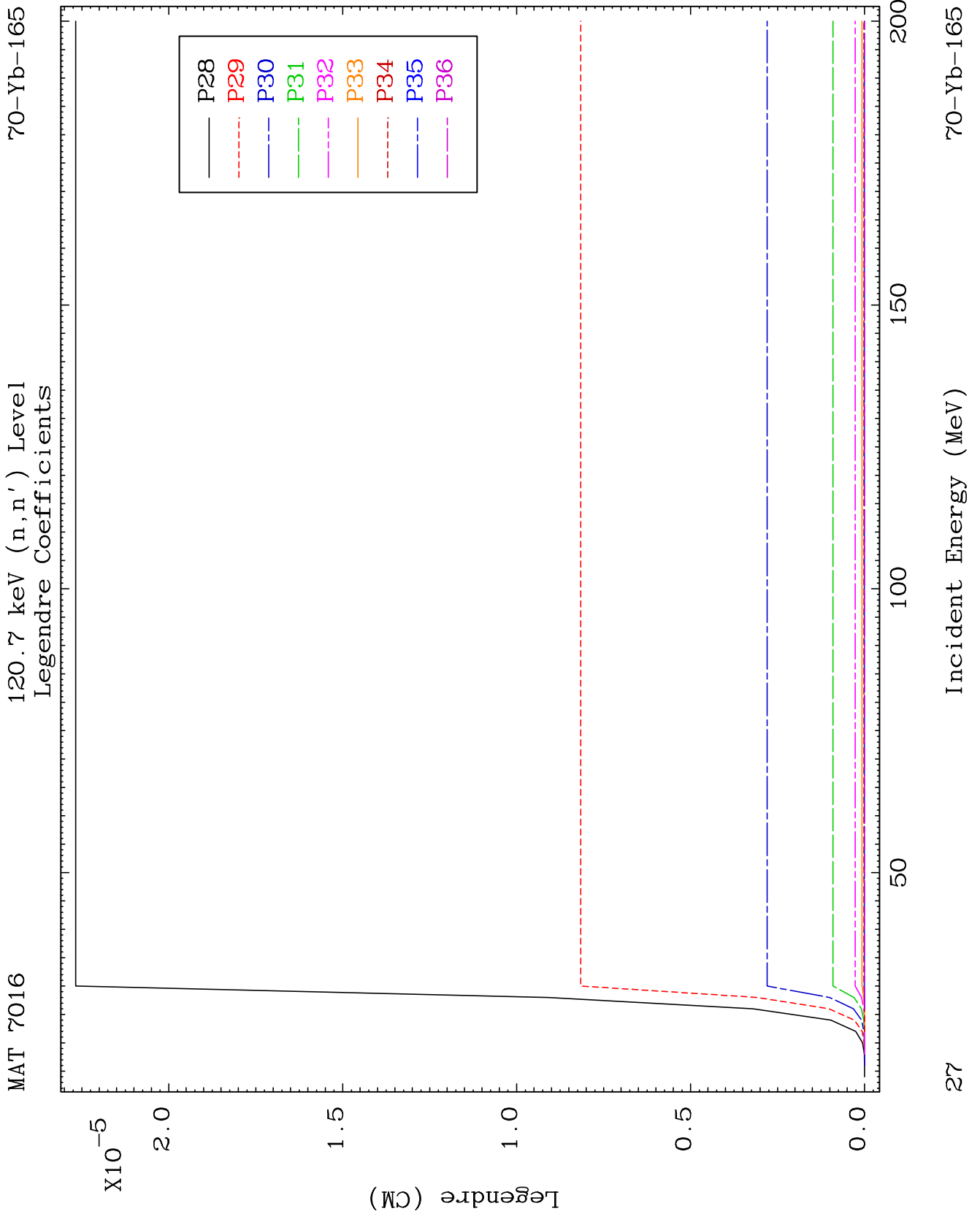


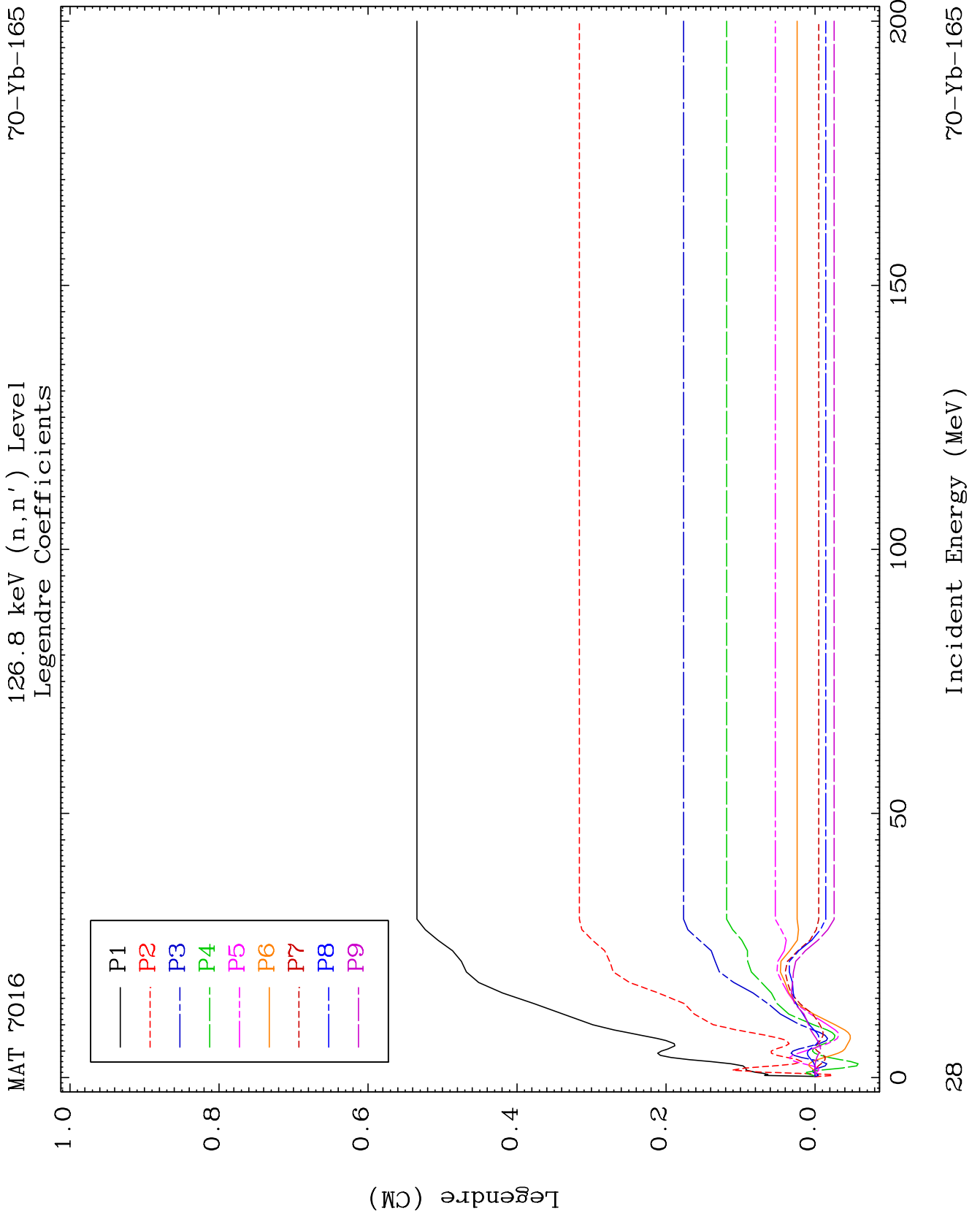


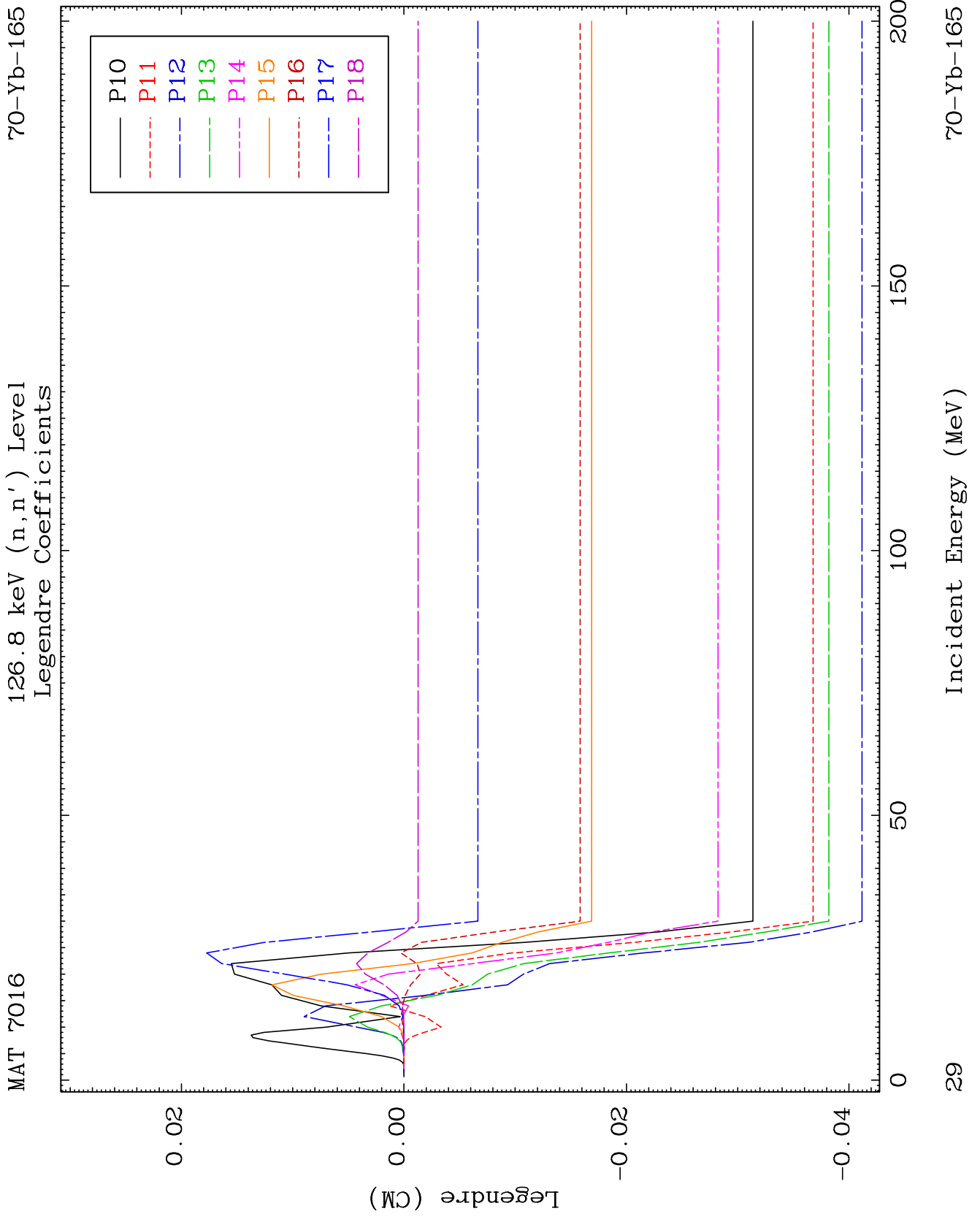


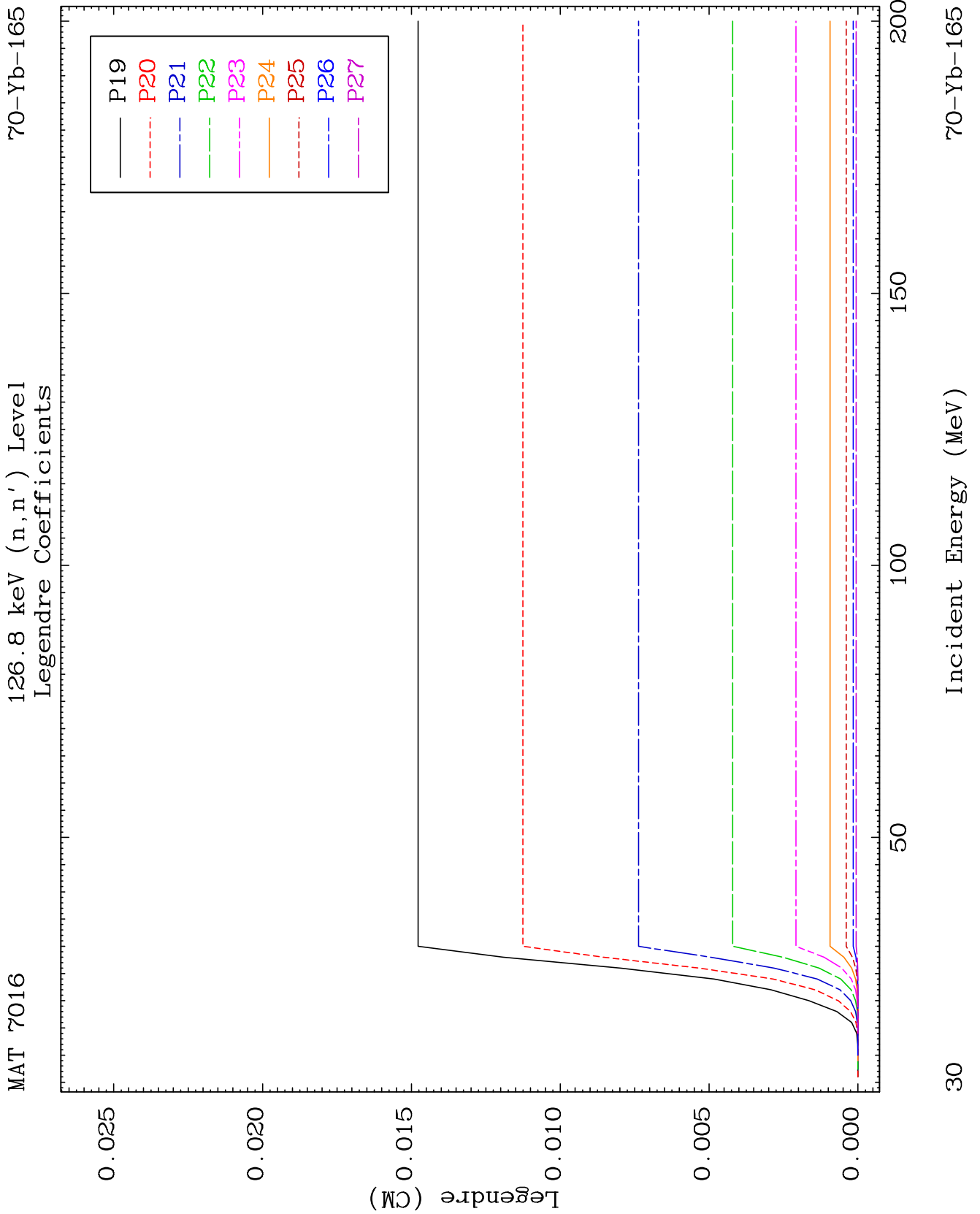


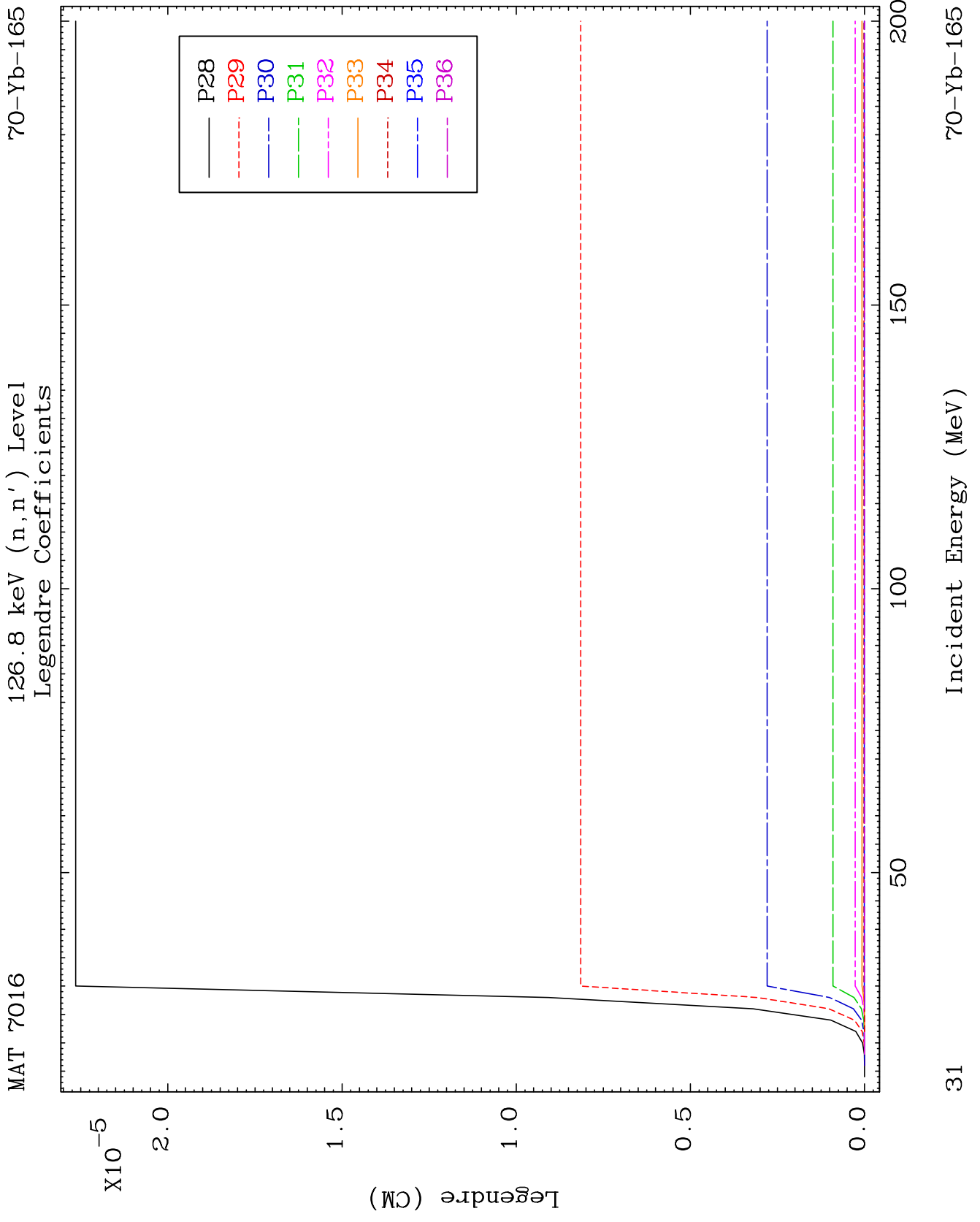


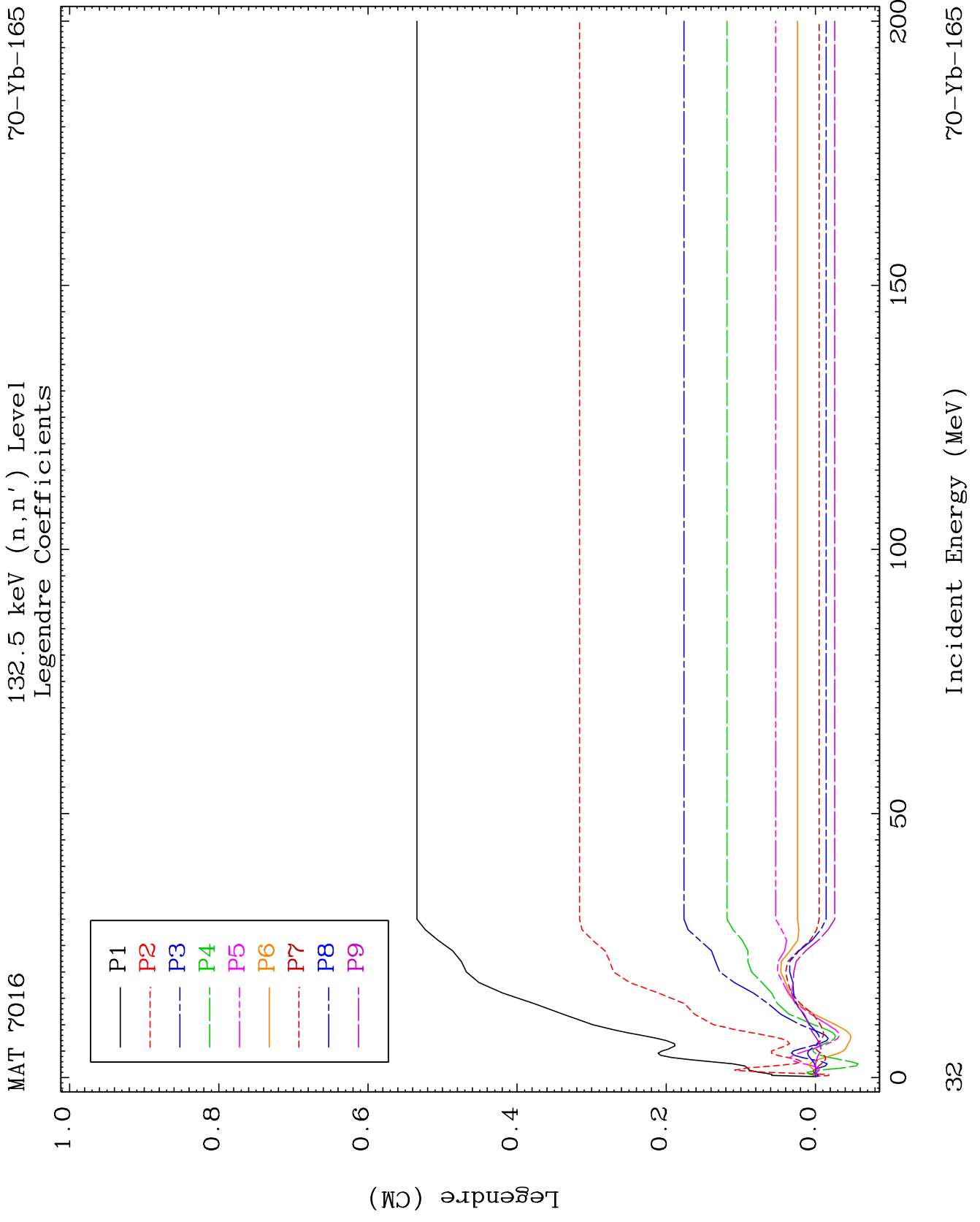


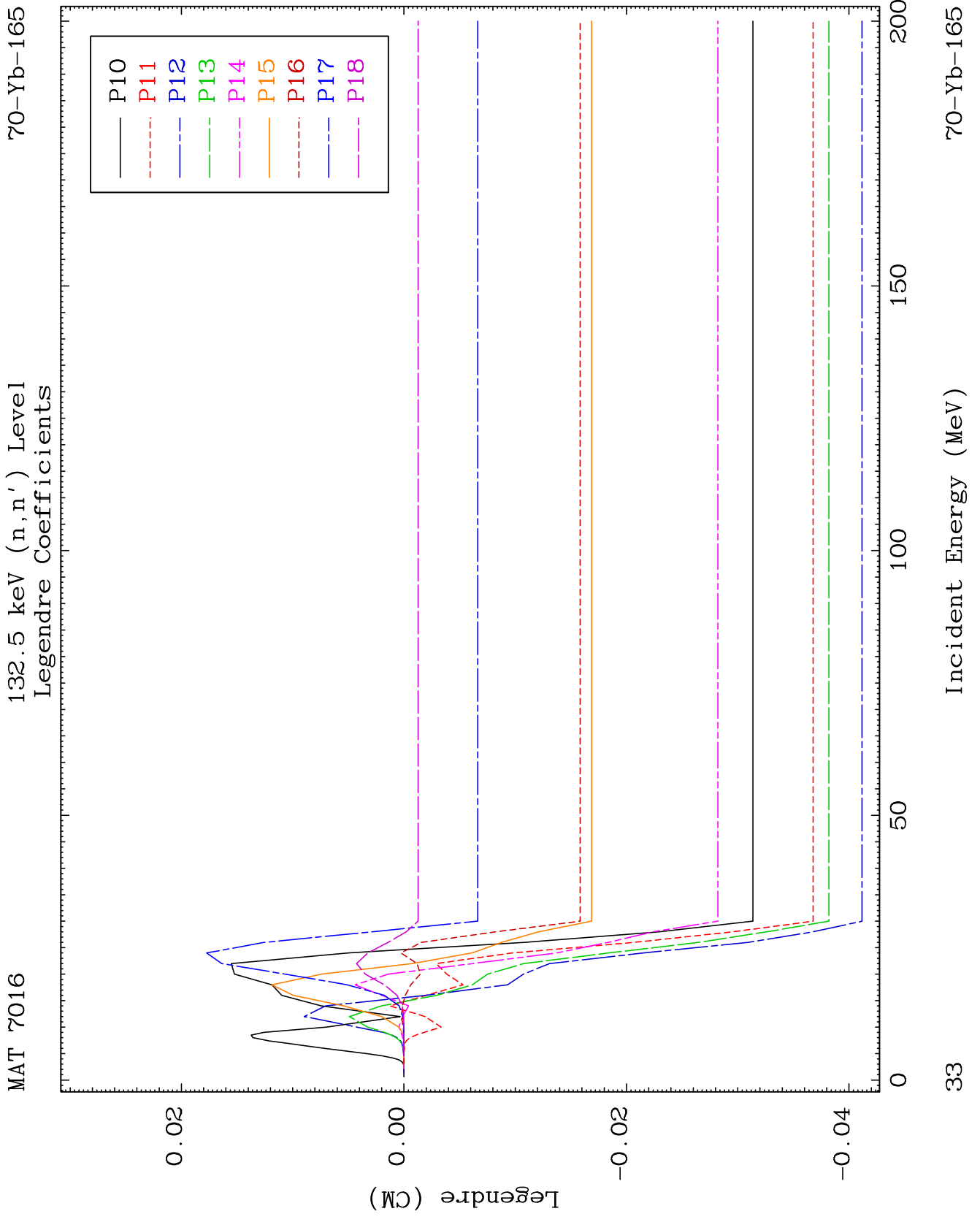








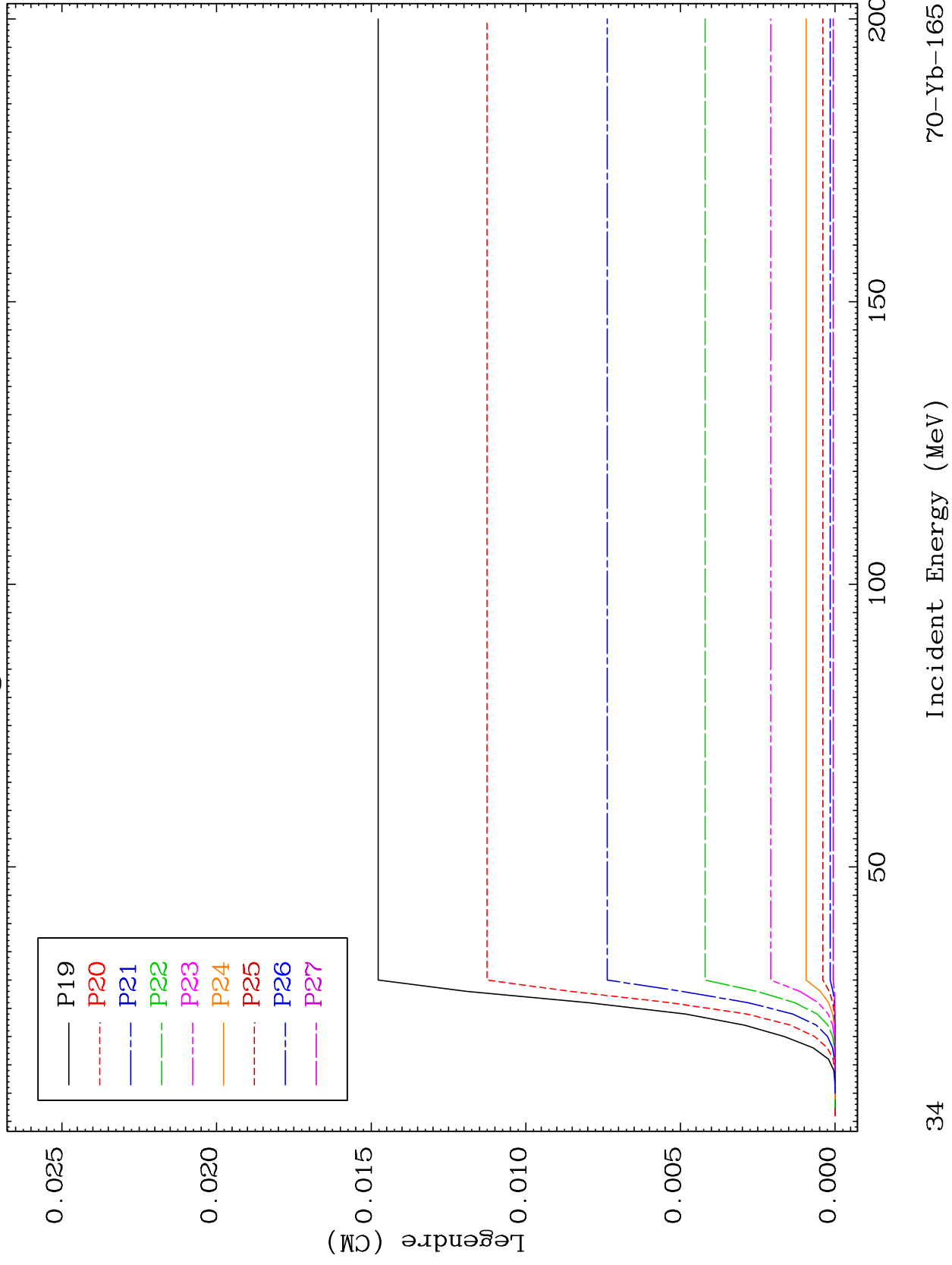




MAT 7016

132.5 keV (n,n') Level
Legendre Coefficients

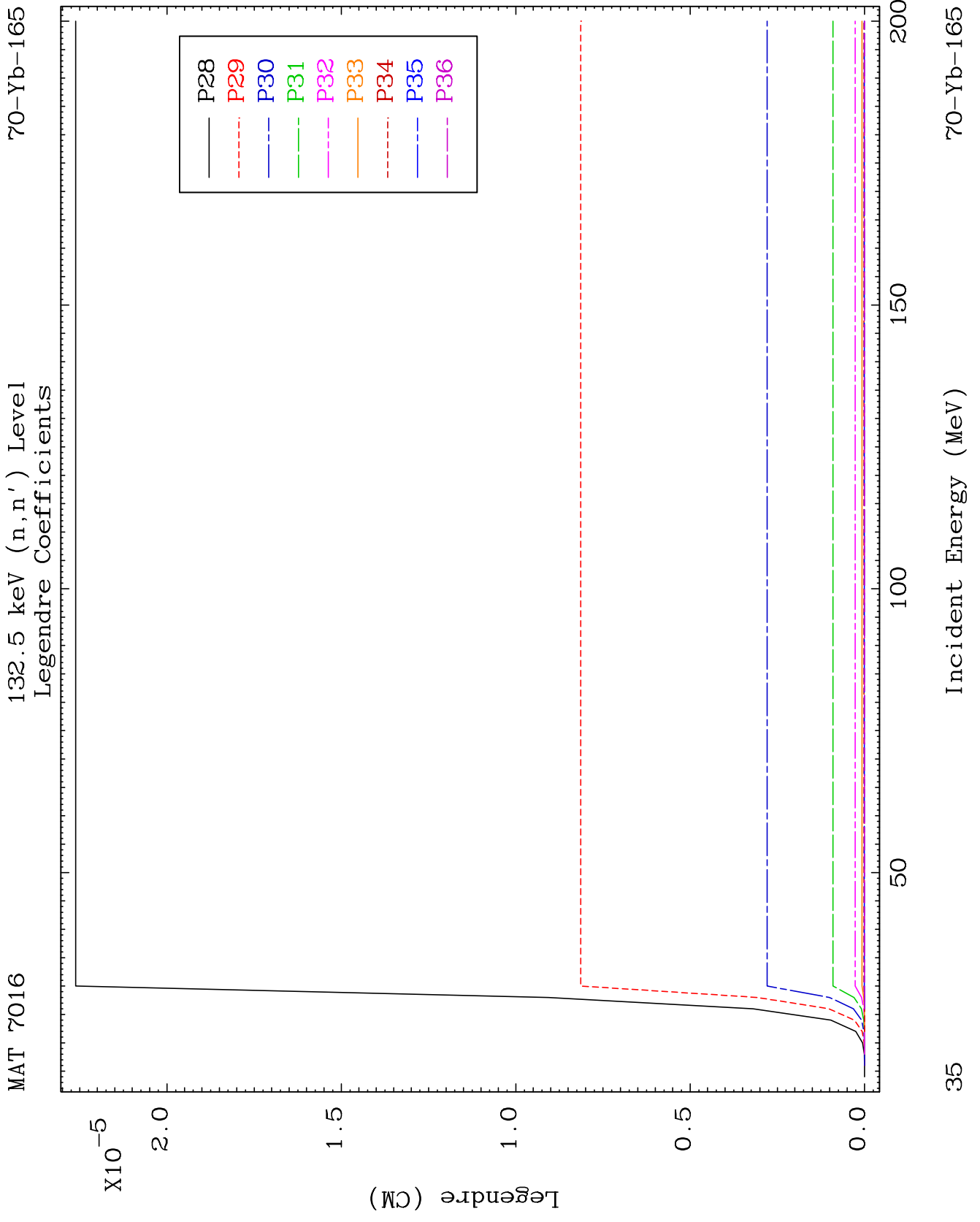
70-Yb-165

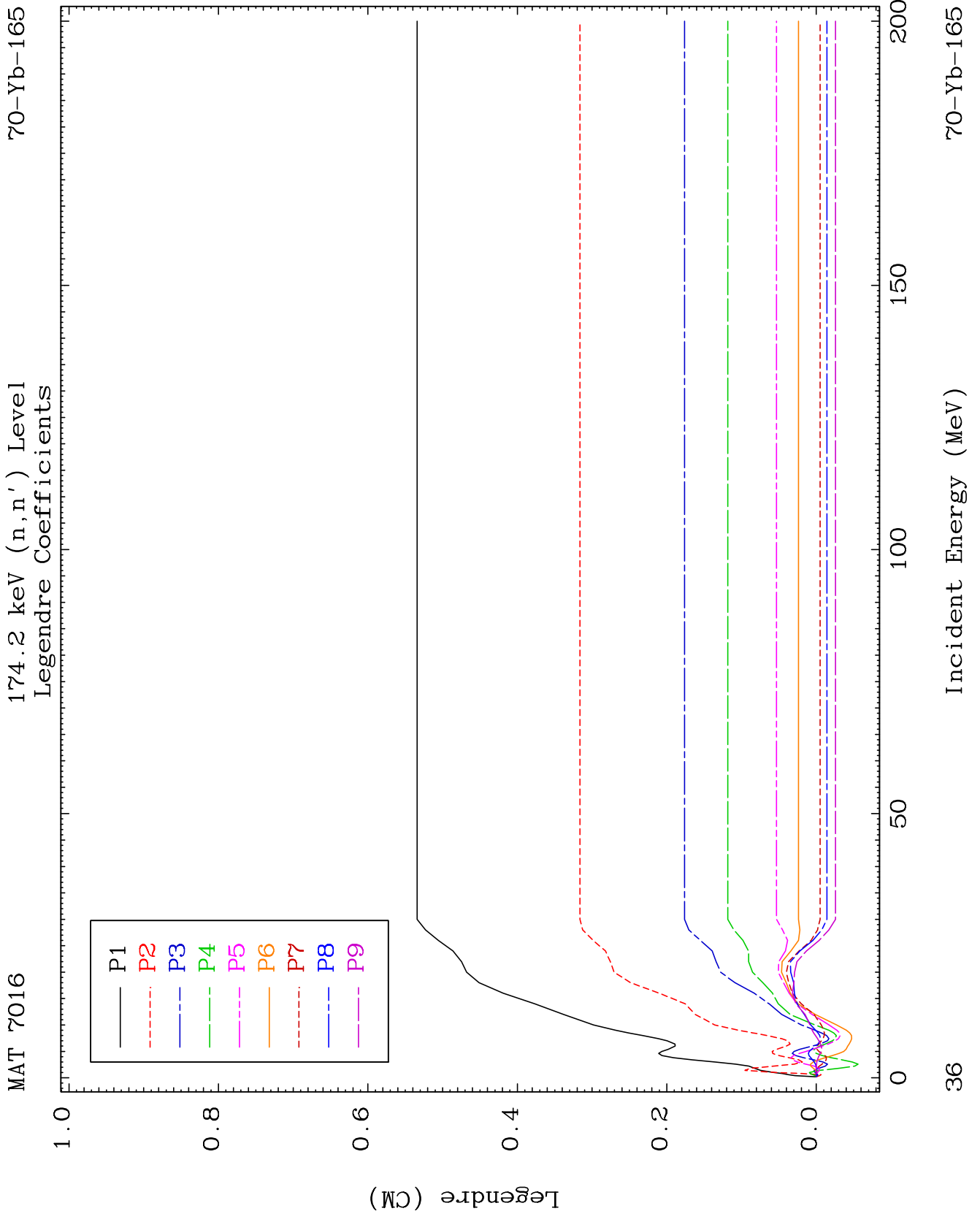


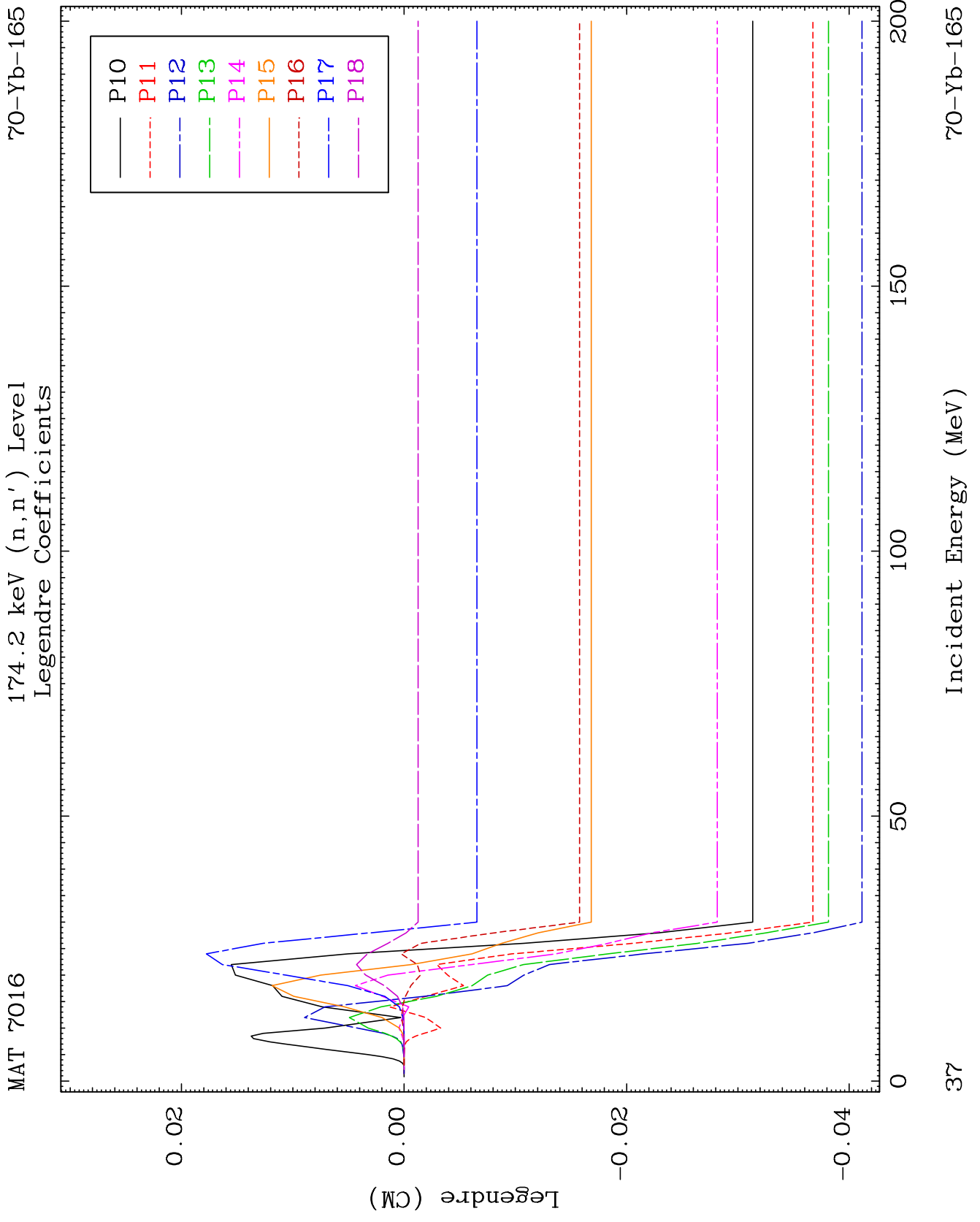
34

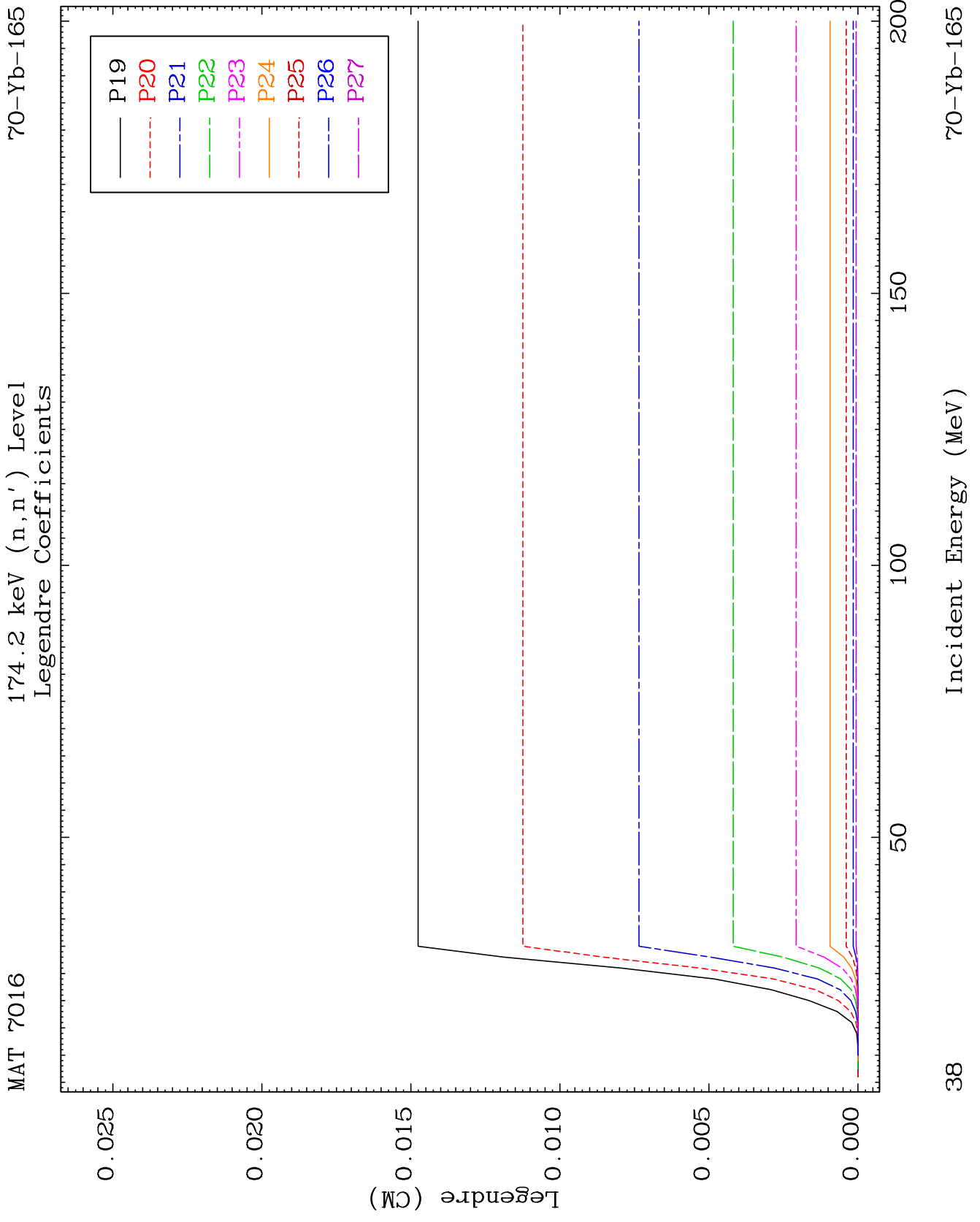
Incident Energy (MeV)

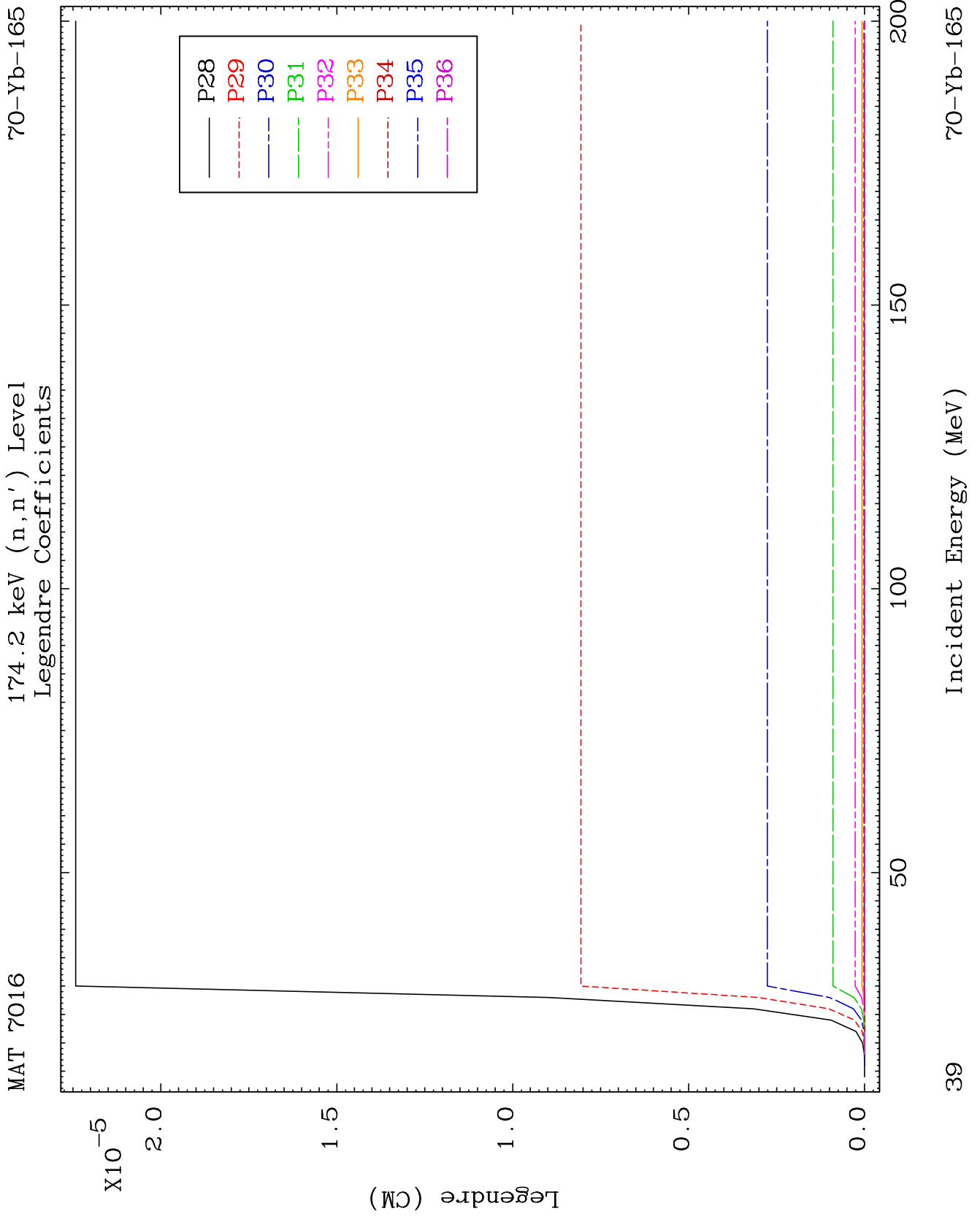
70-Yb-165

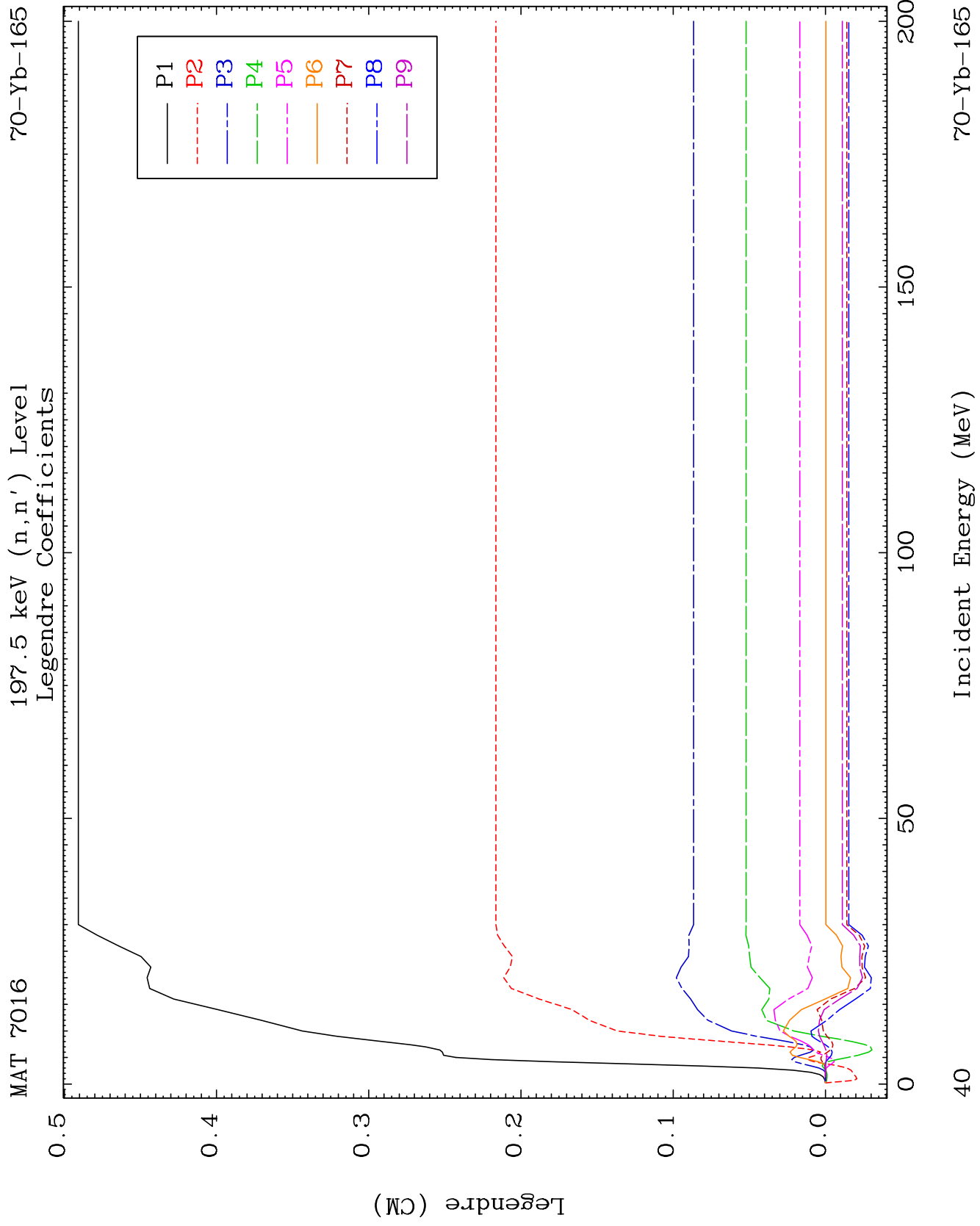








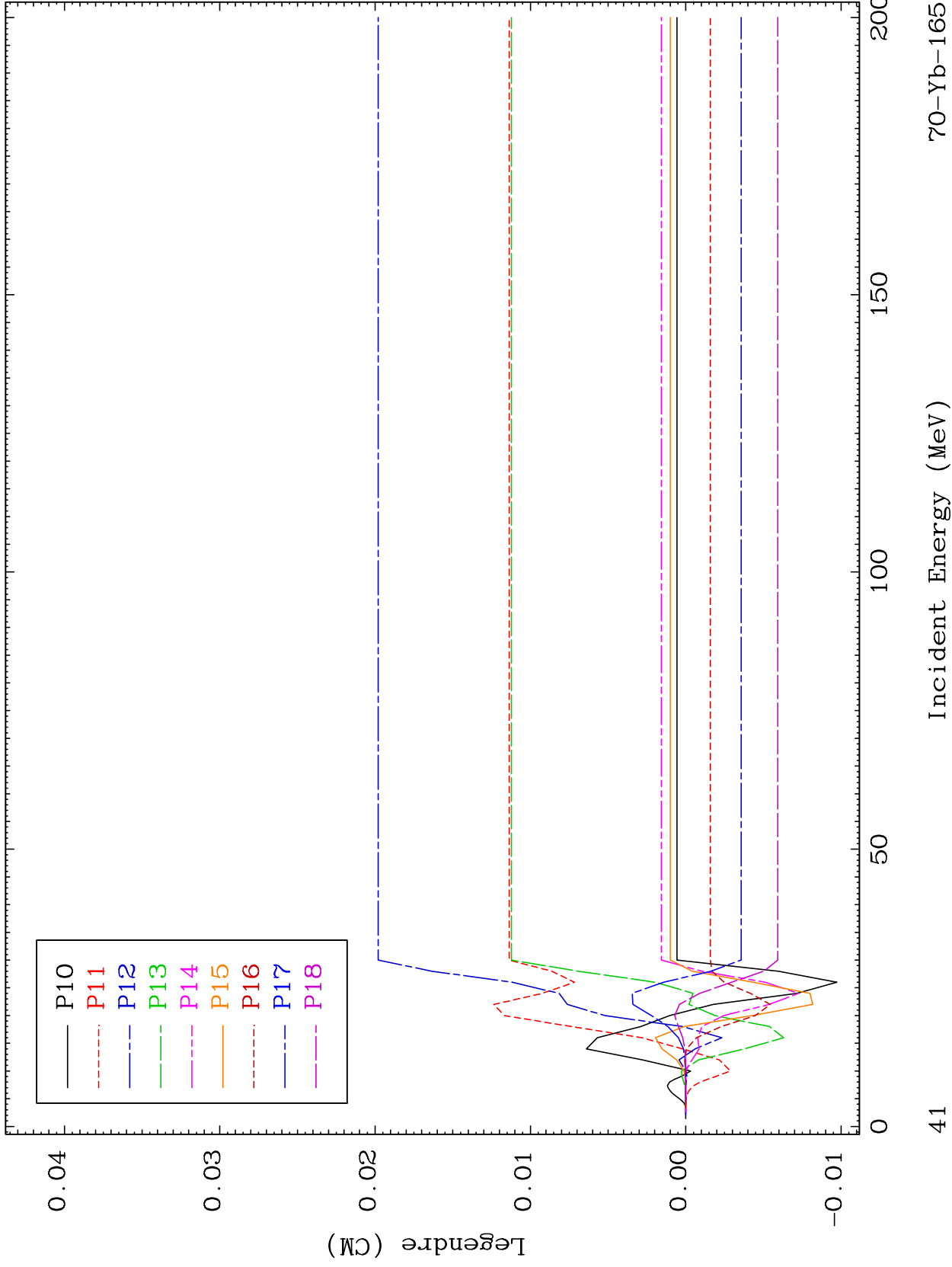




MAT 7016

197.5 keV (n,n') Level
Legendre Coefficients

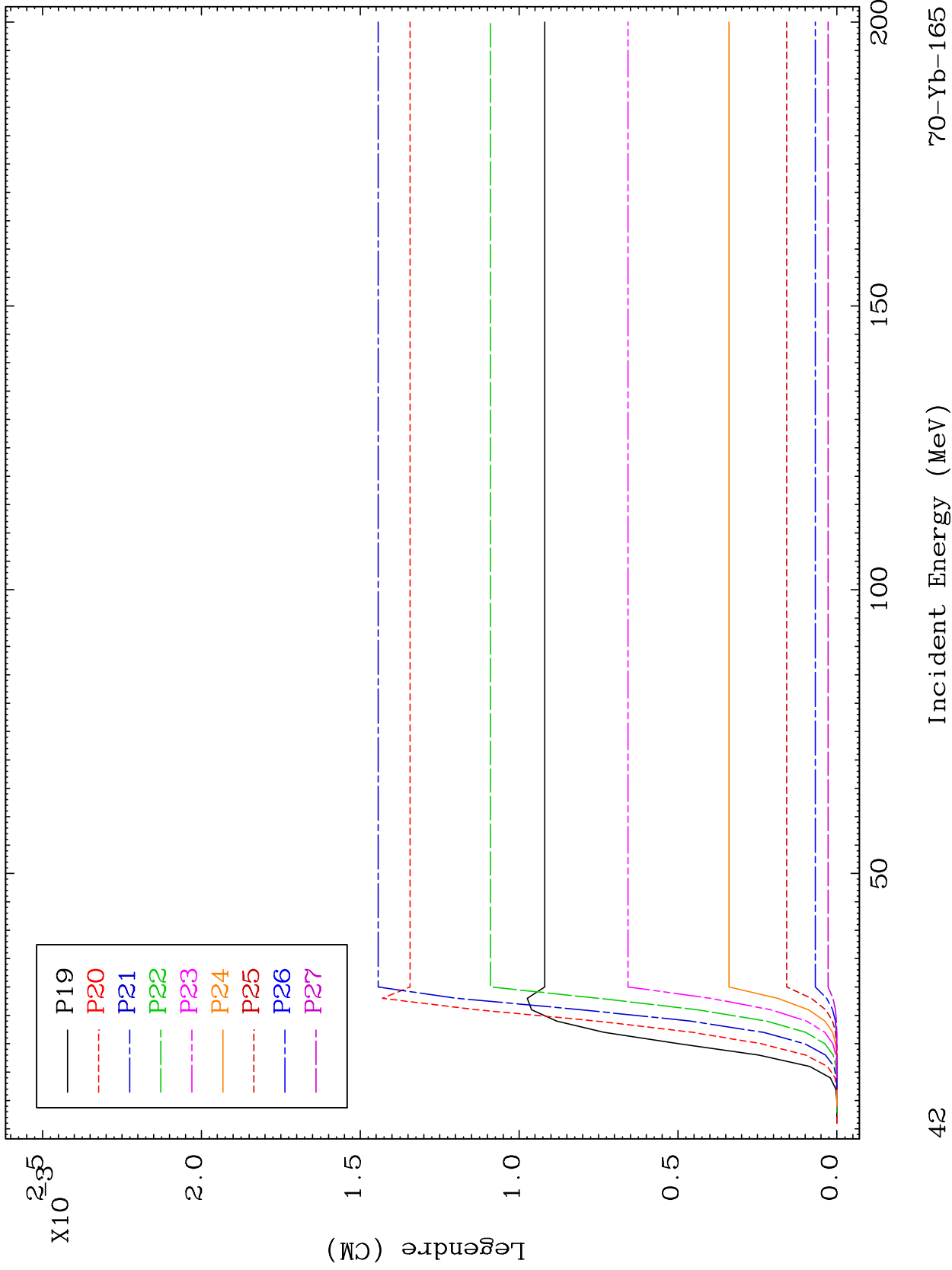
70-Yb-165

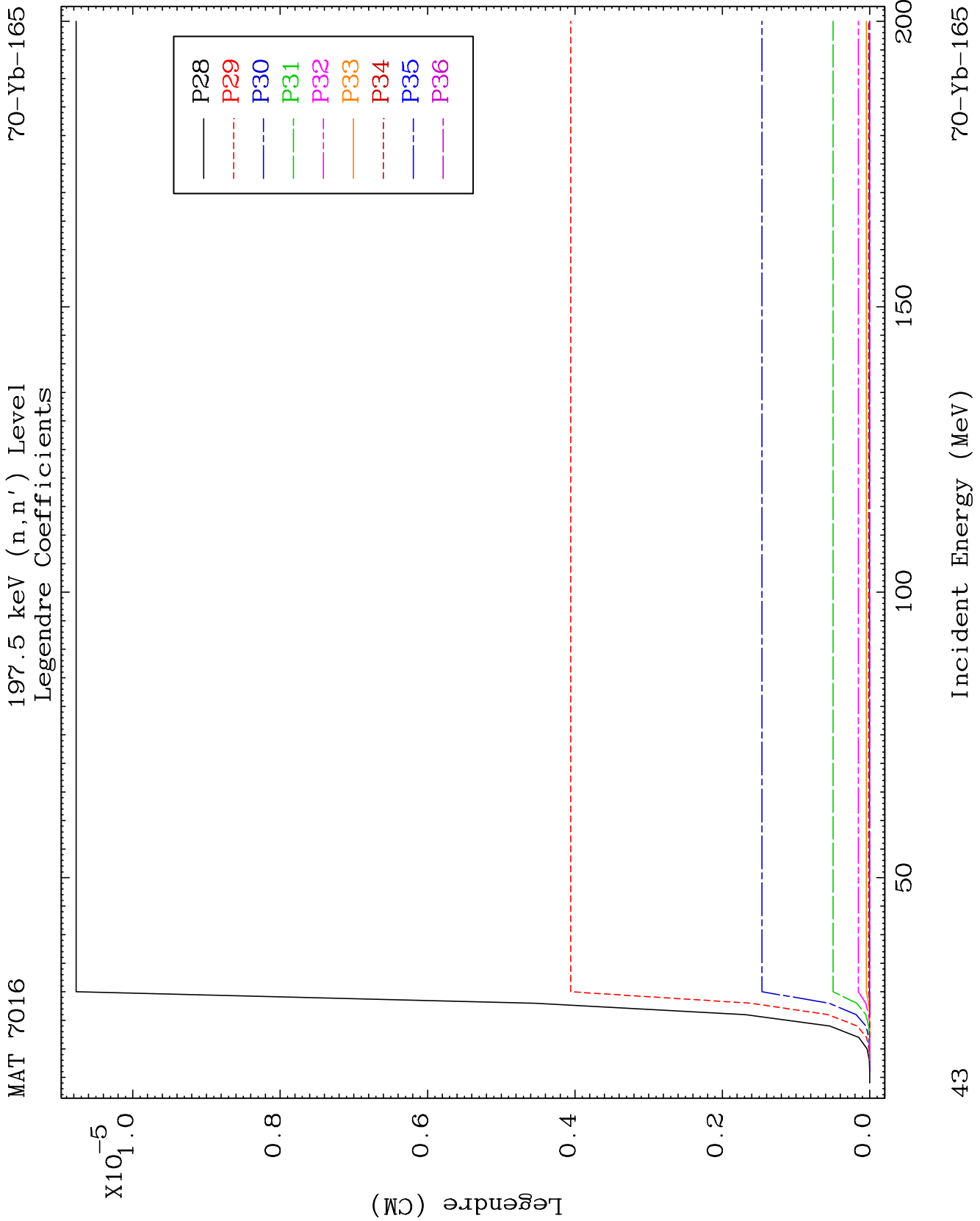


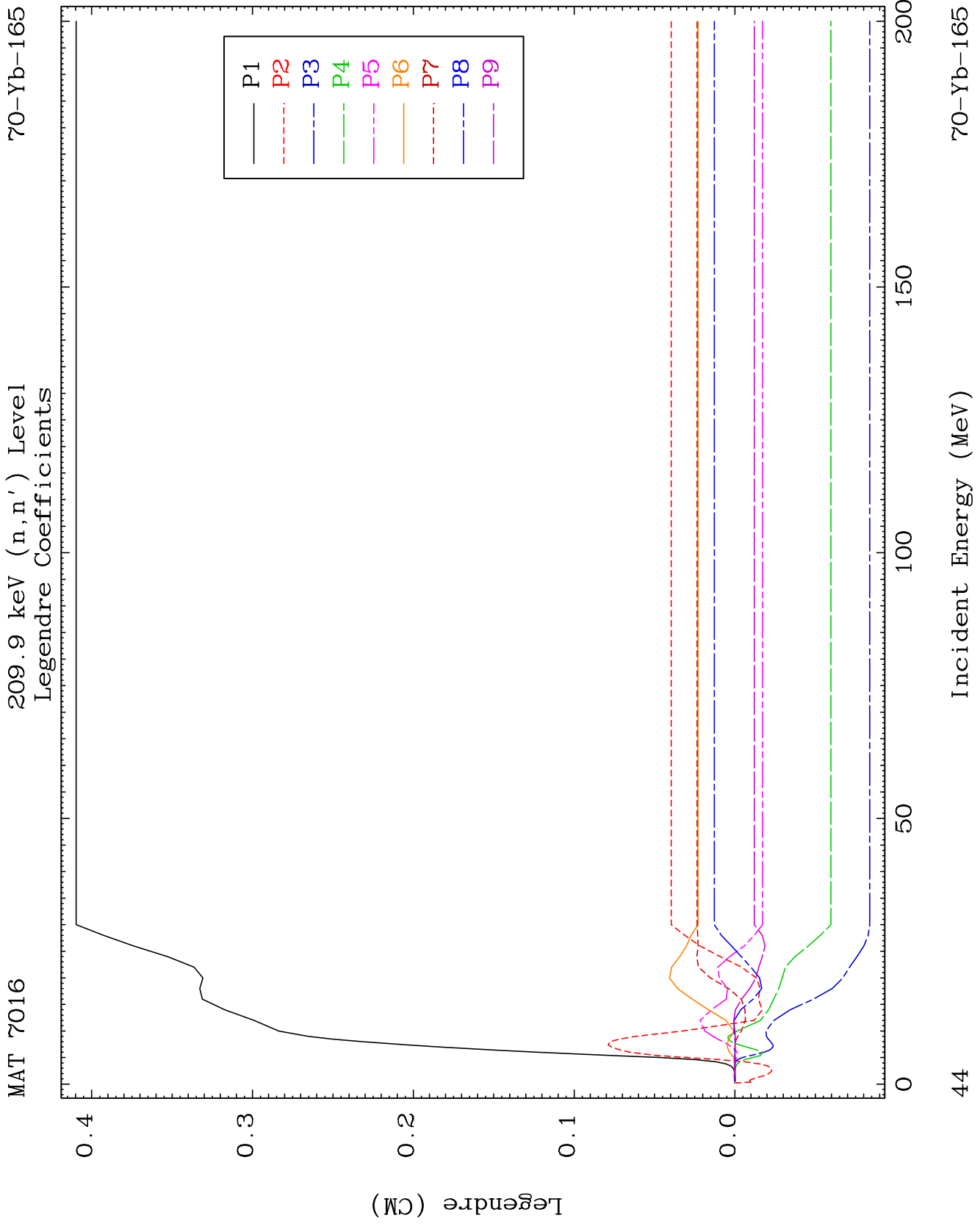
MAT 7016

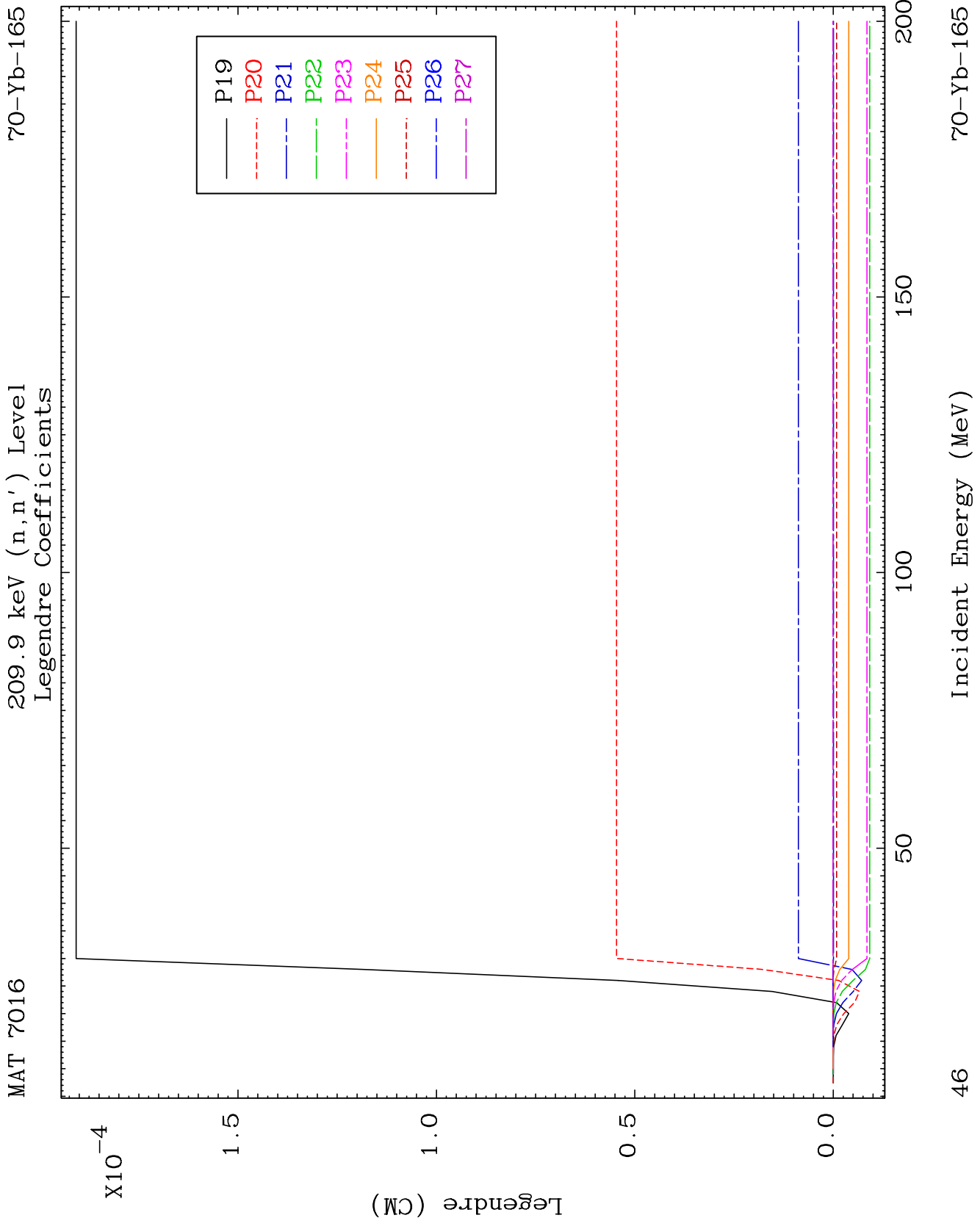
197.5 keV (n, n') Level
Legendre Coefficients

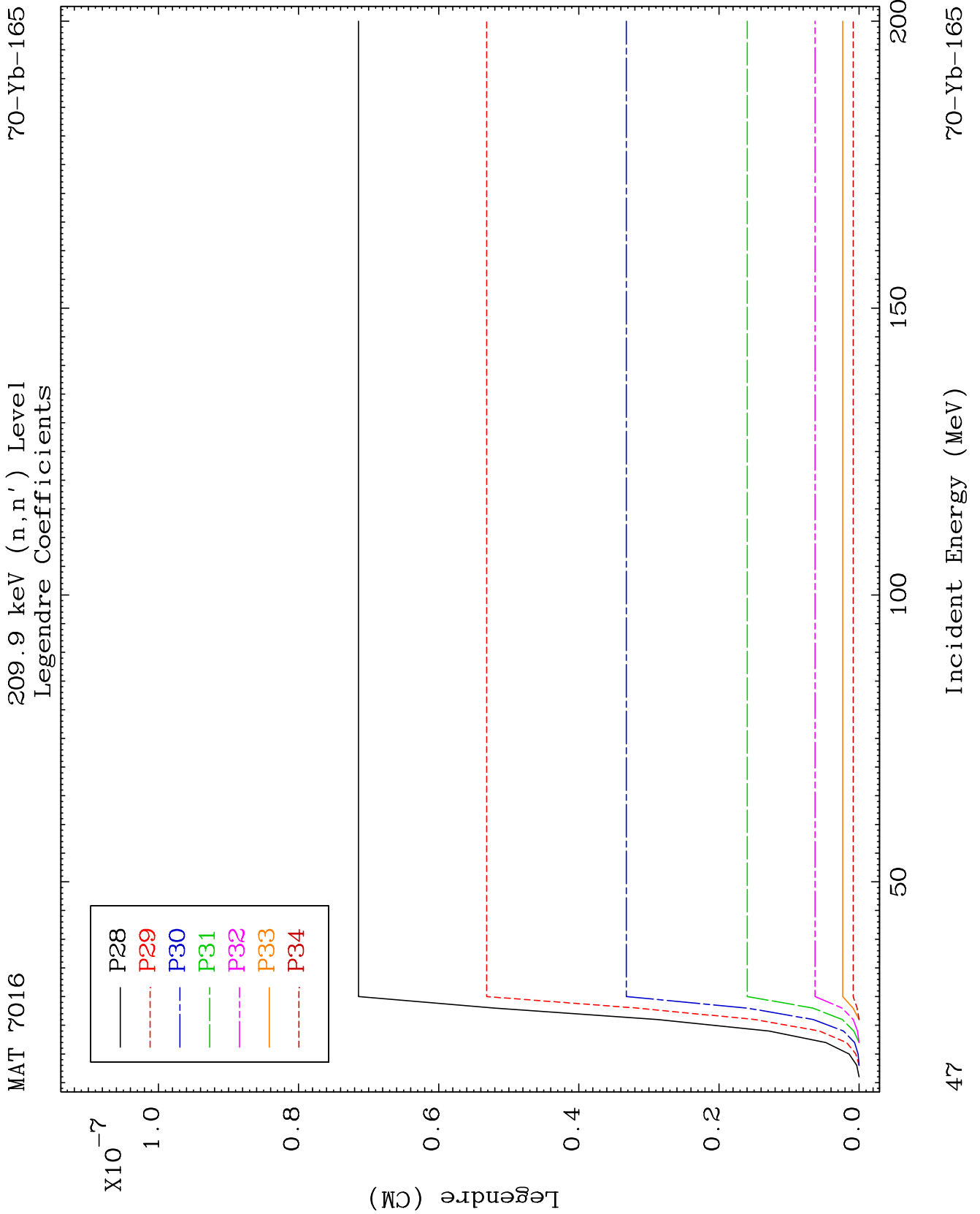
70-Yb-165

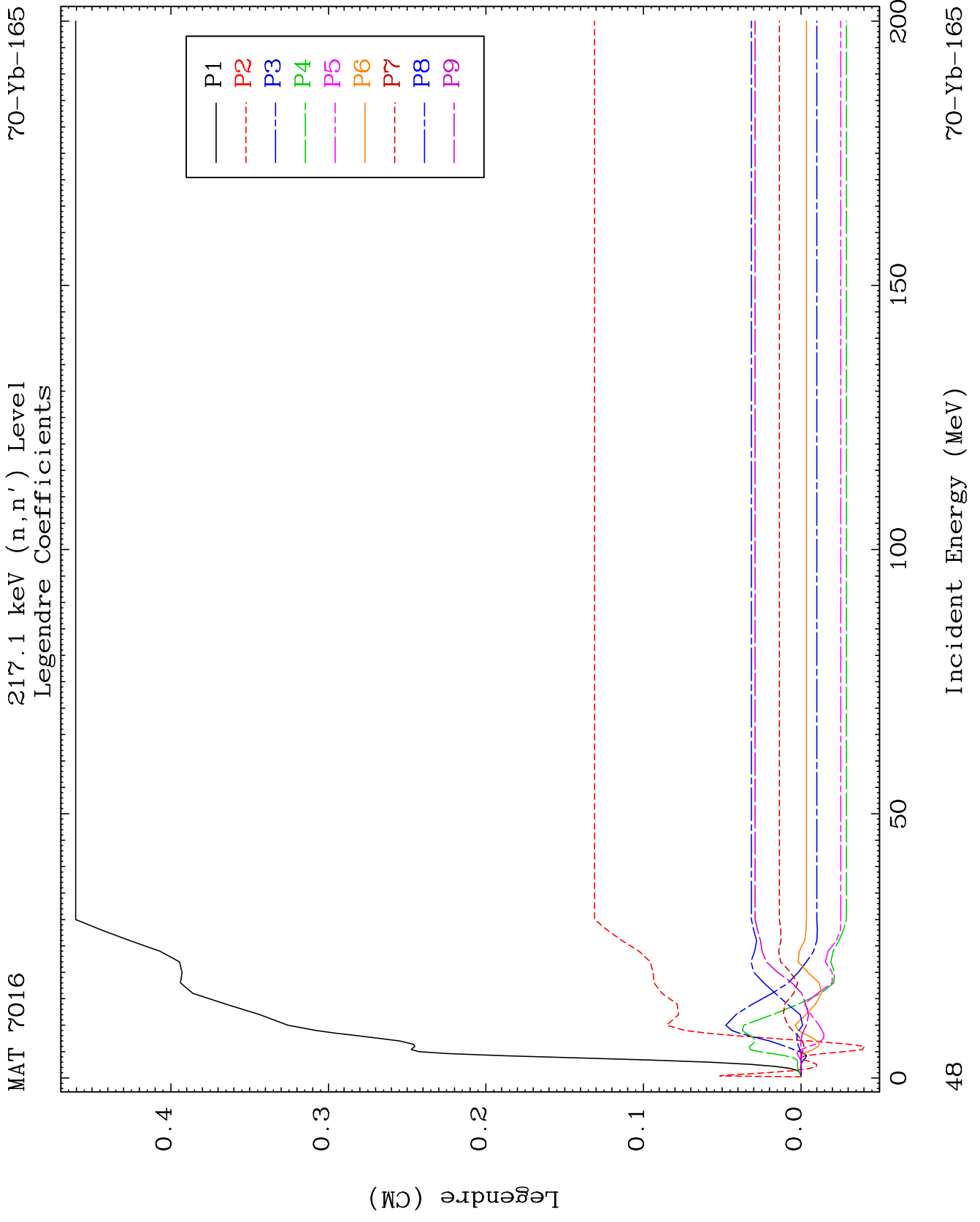








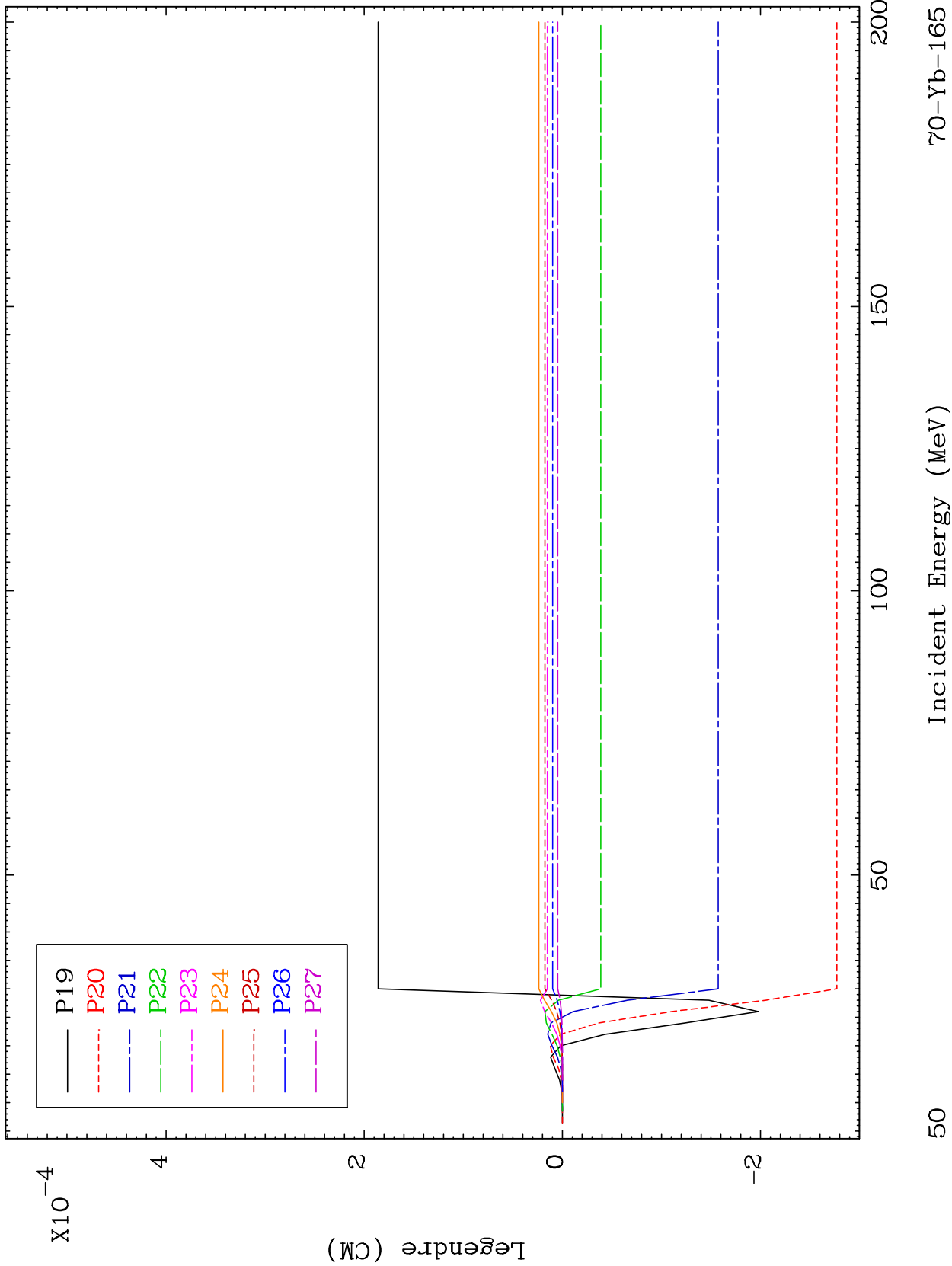




MAT 7016

217.1 keV (n,n') Level
Legendre Coefficients

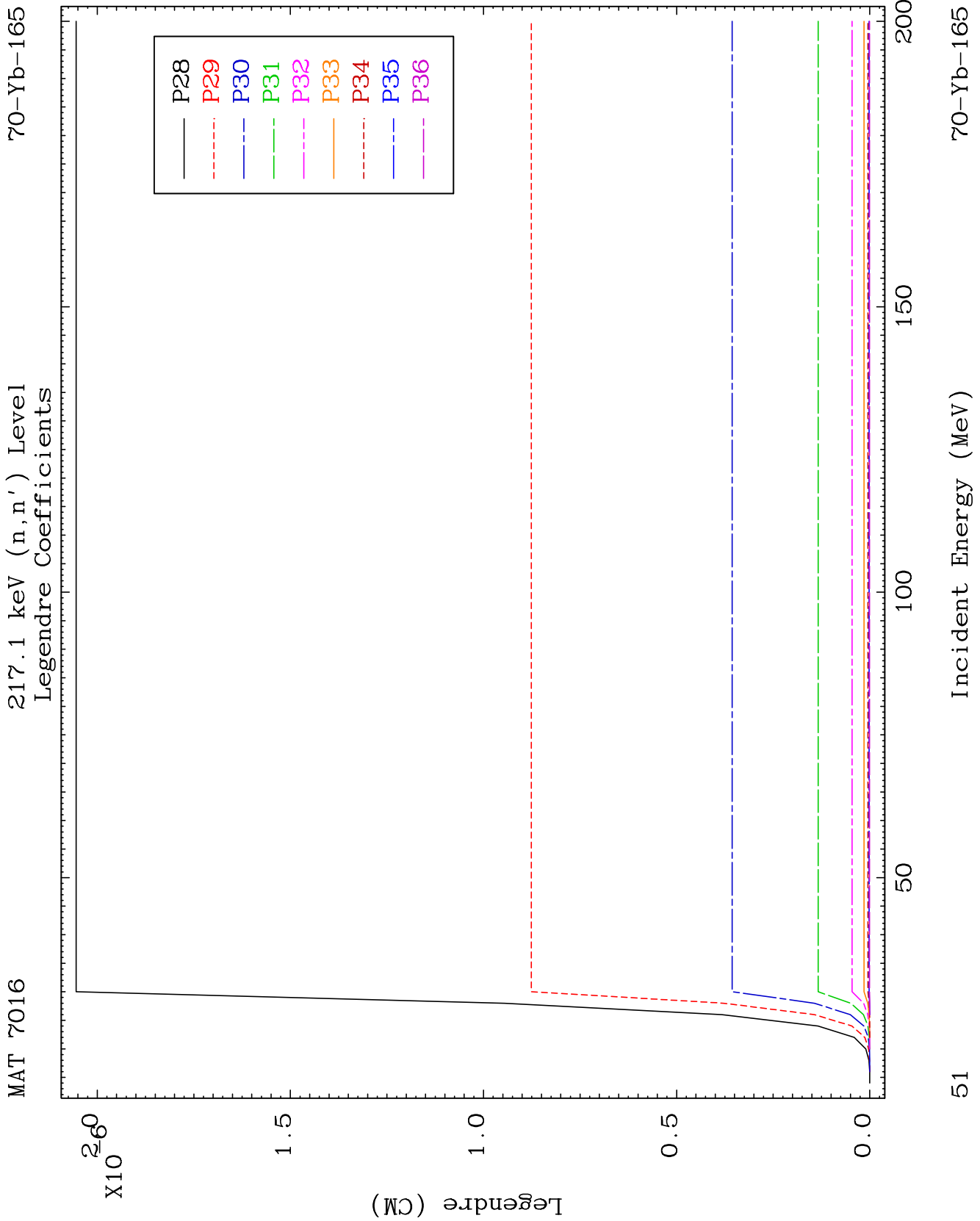
70-Yb-165



50

Incident Energy (MeV)

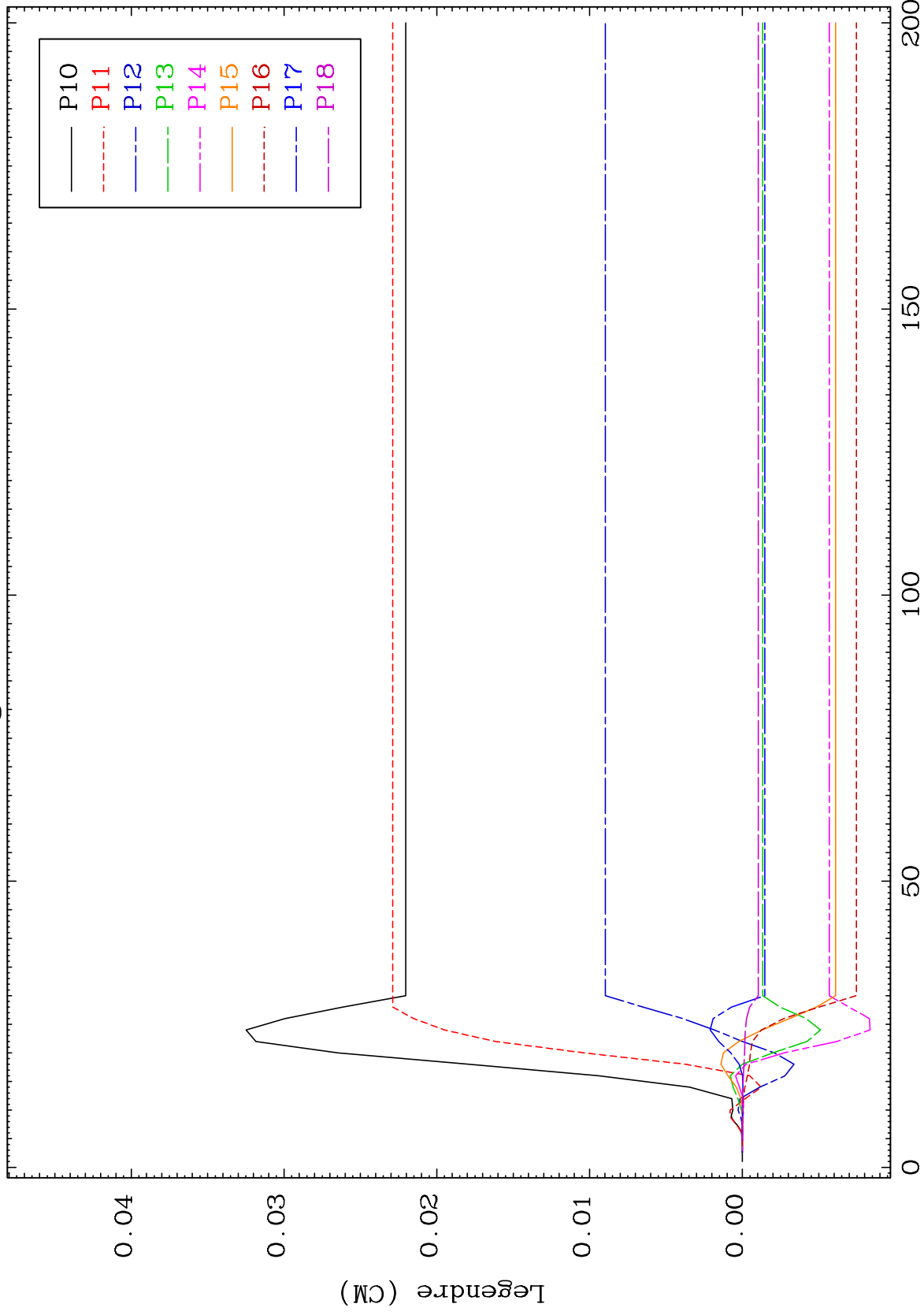
70-Yb-165



MAT 7016

254.7 keV (n,n') Level
Legendre Coefficients

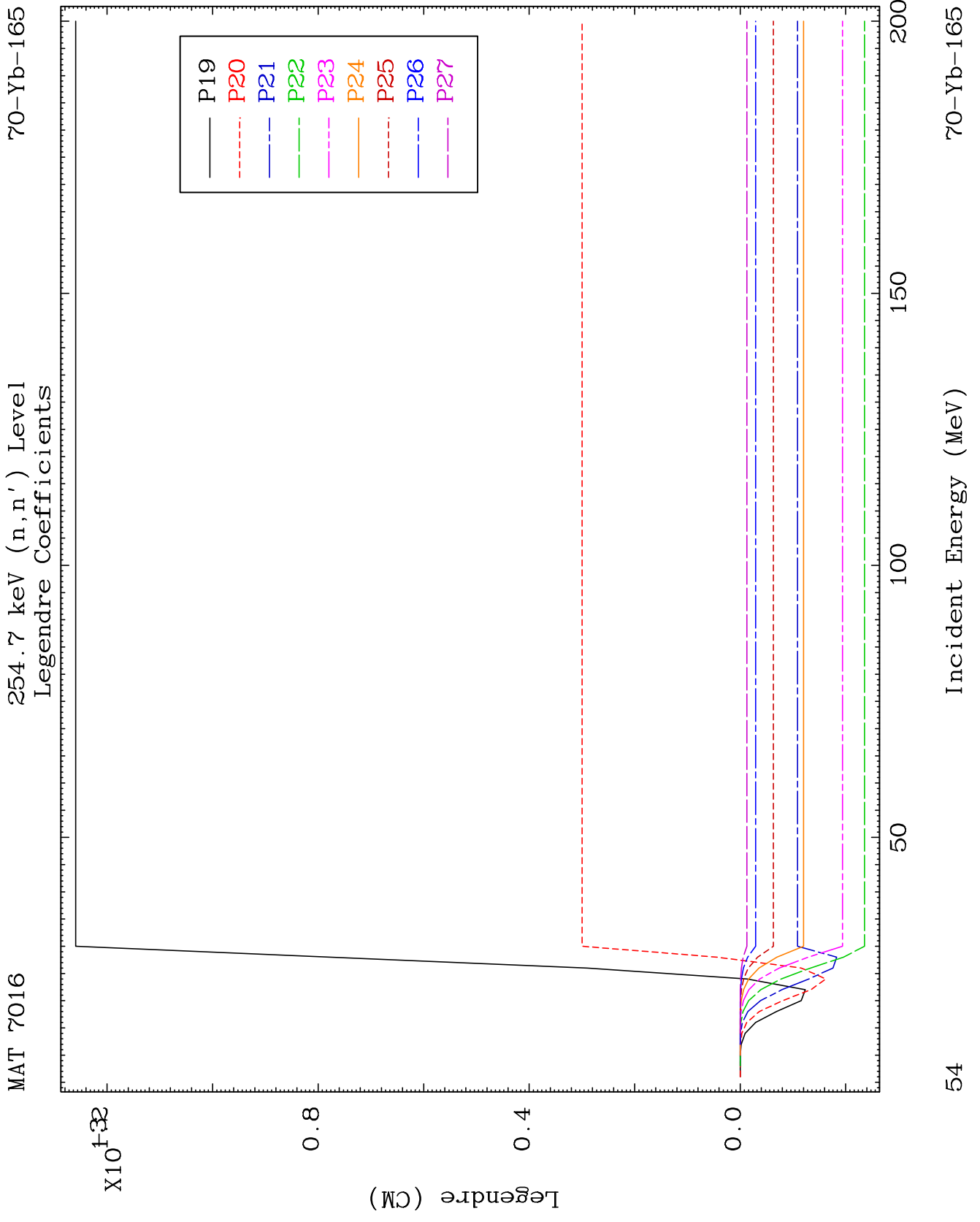
70-Yb-165

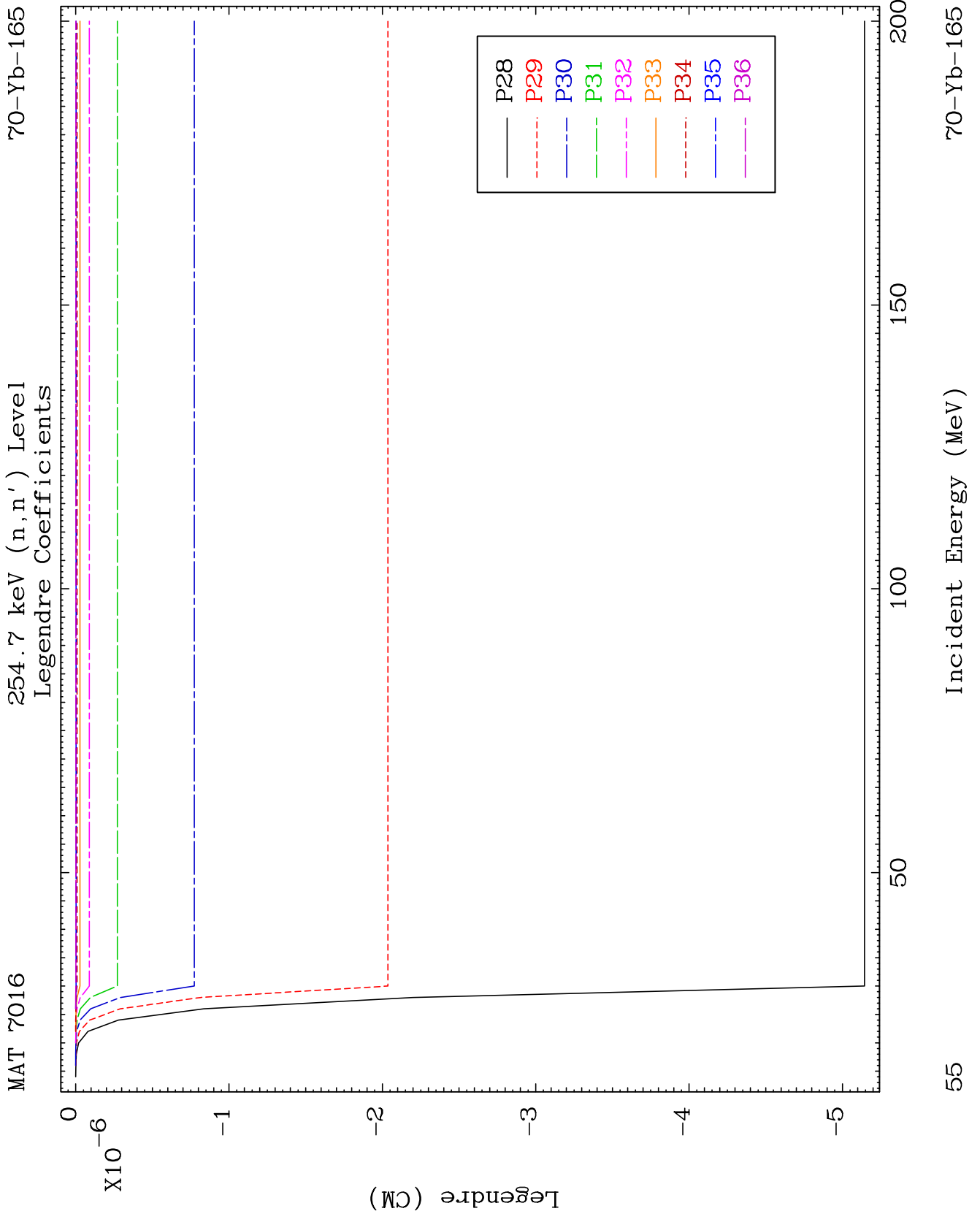


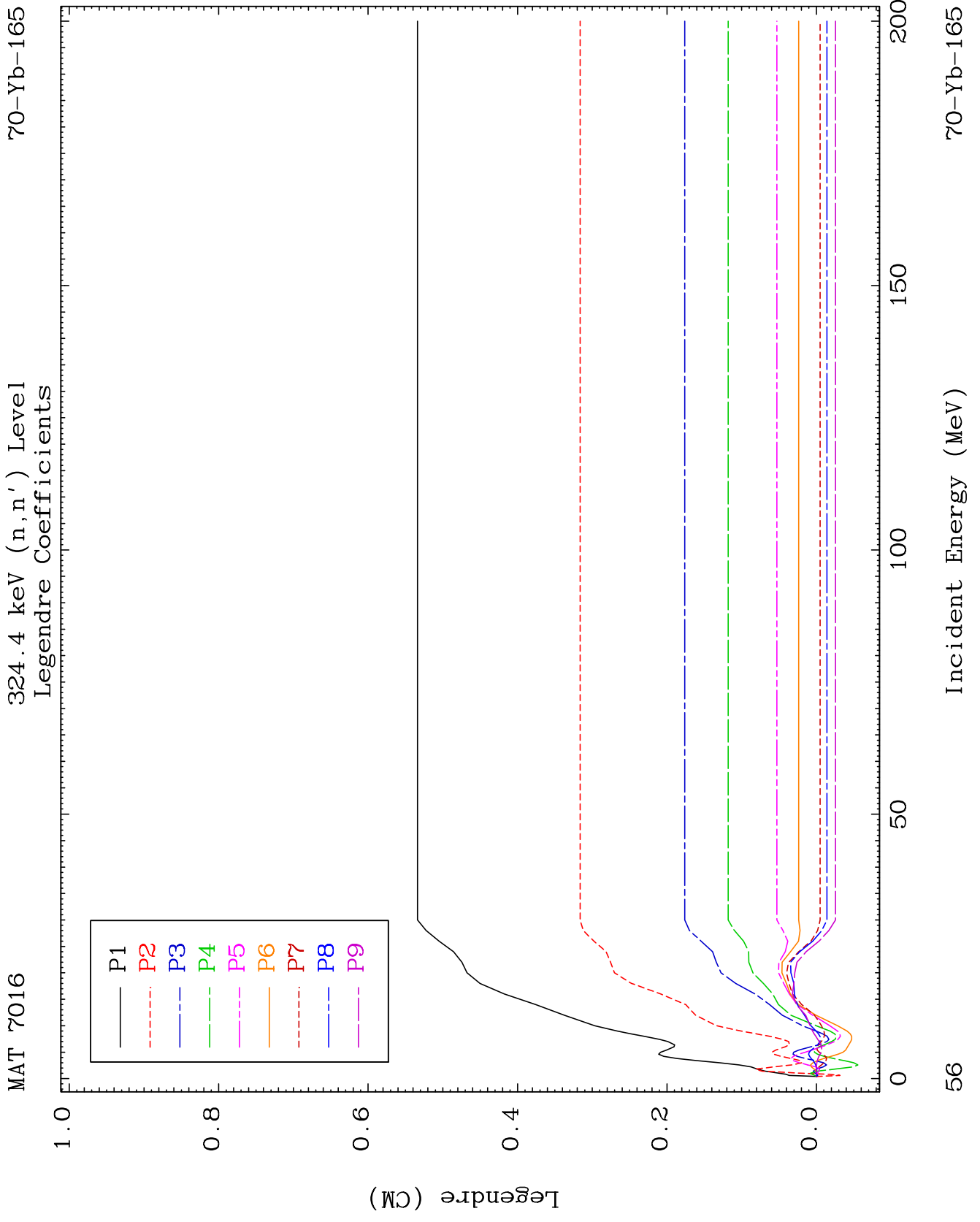
53

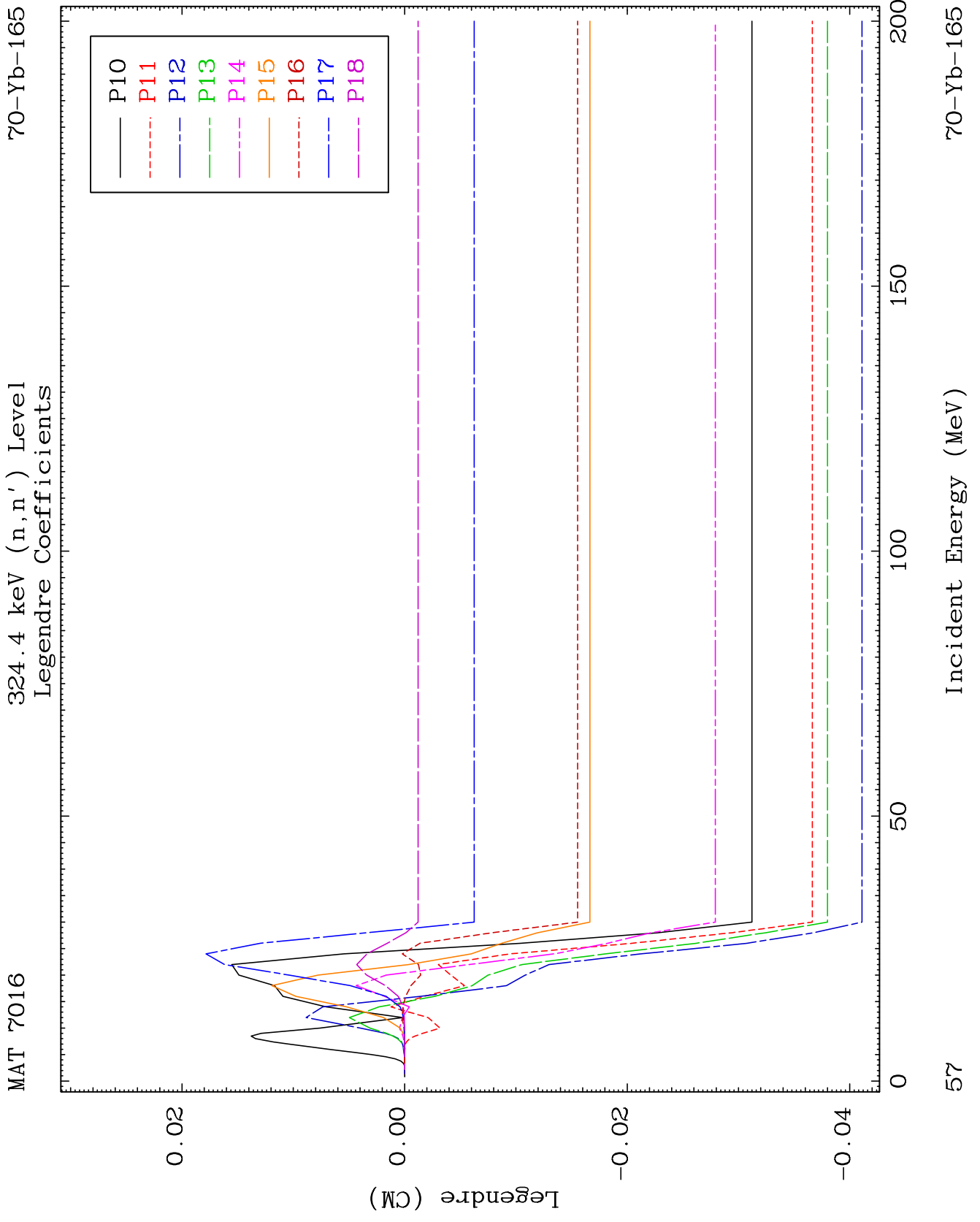
Incident Energy (MeV)

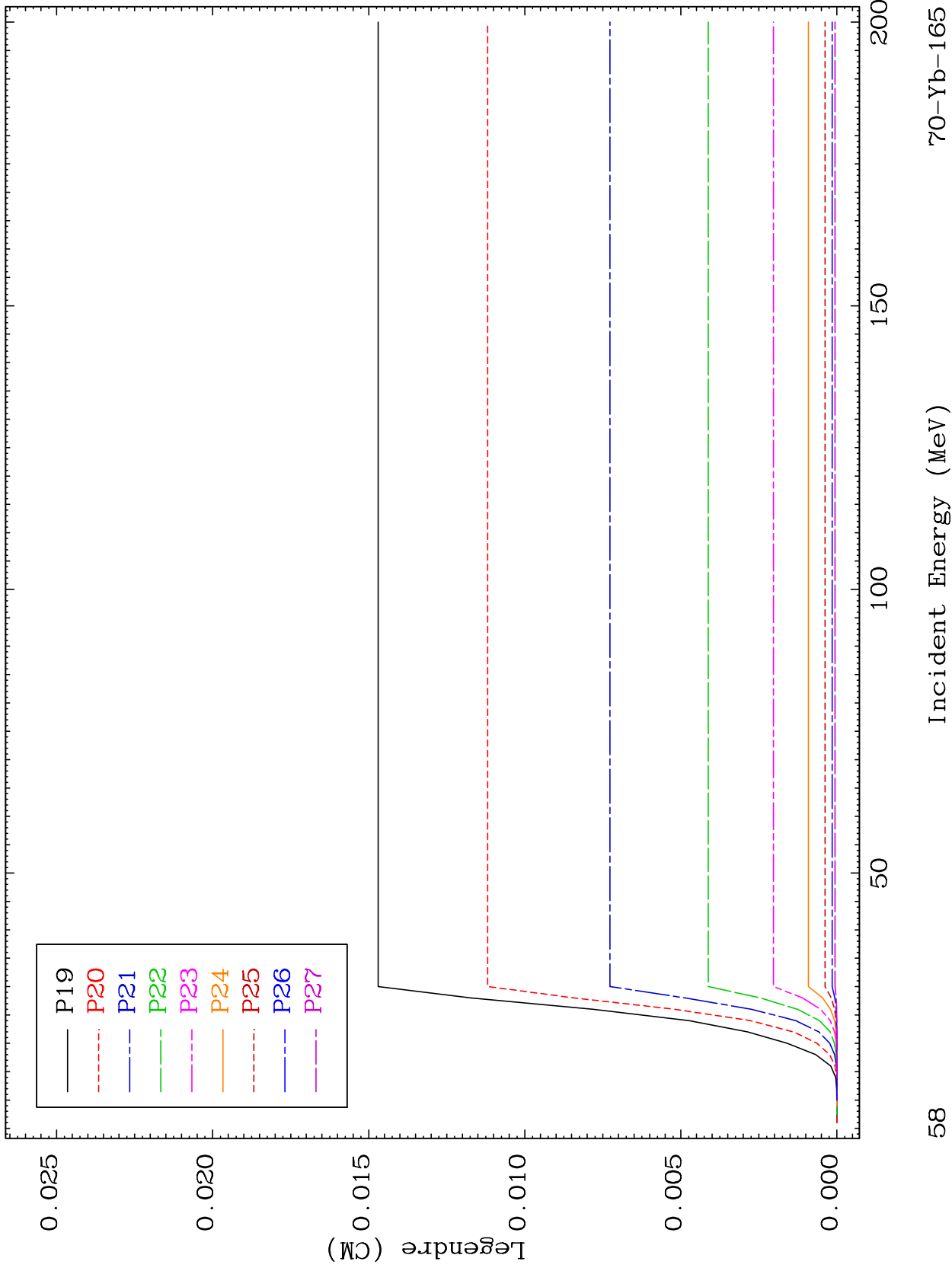
70-Yb-165

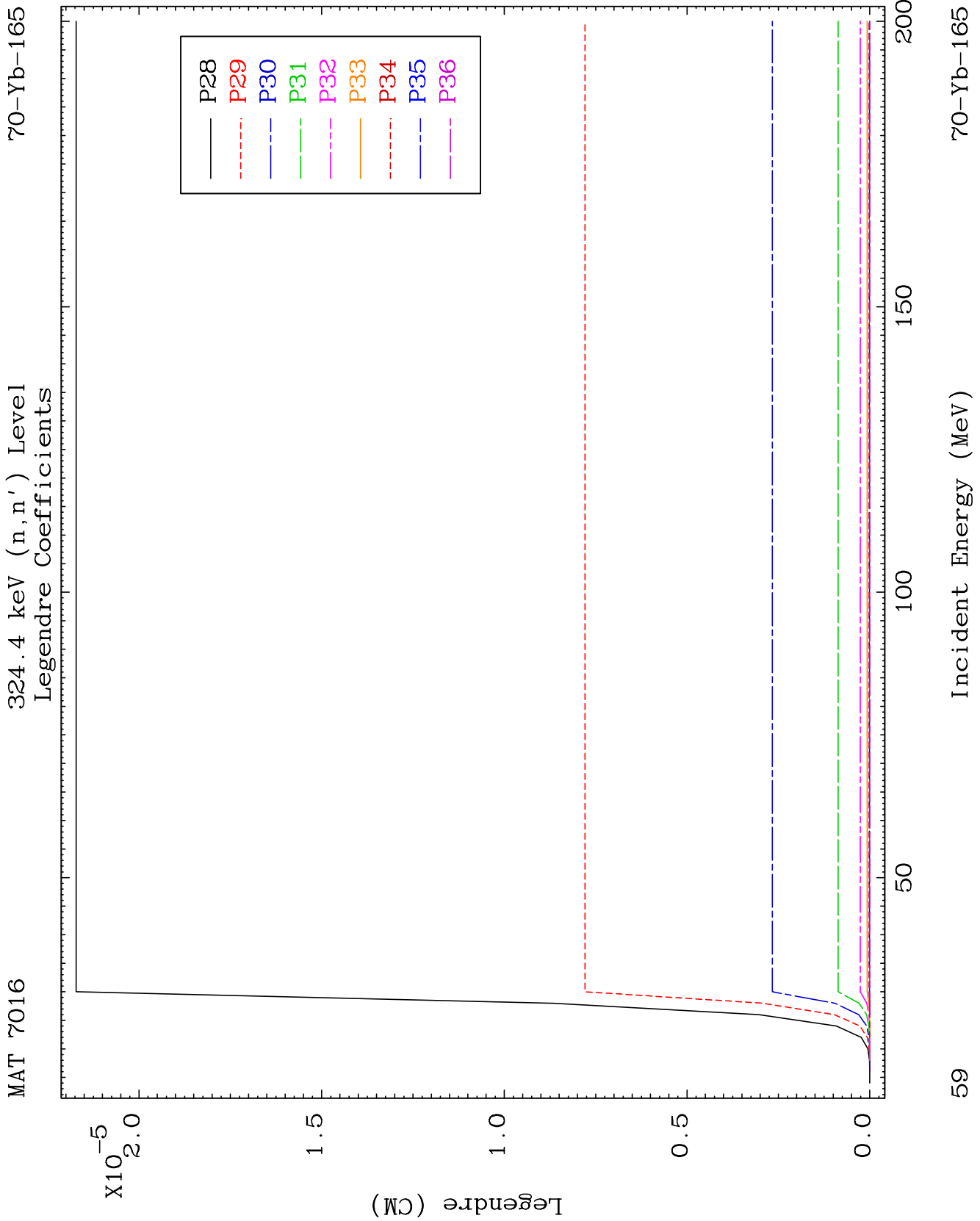


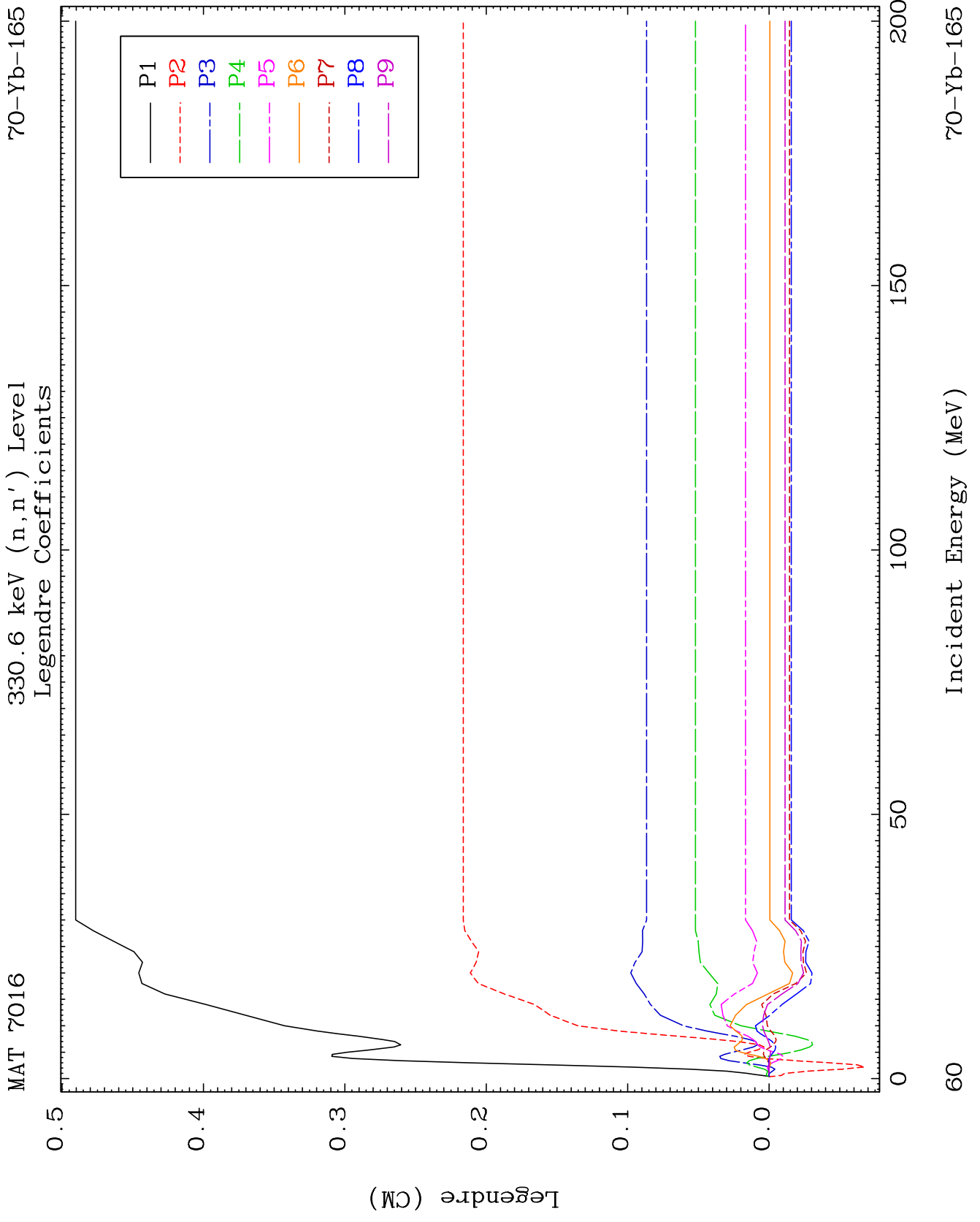








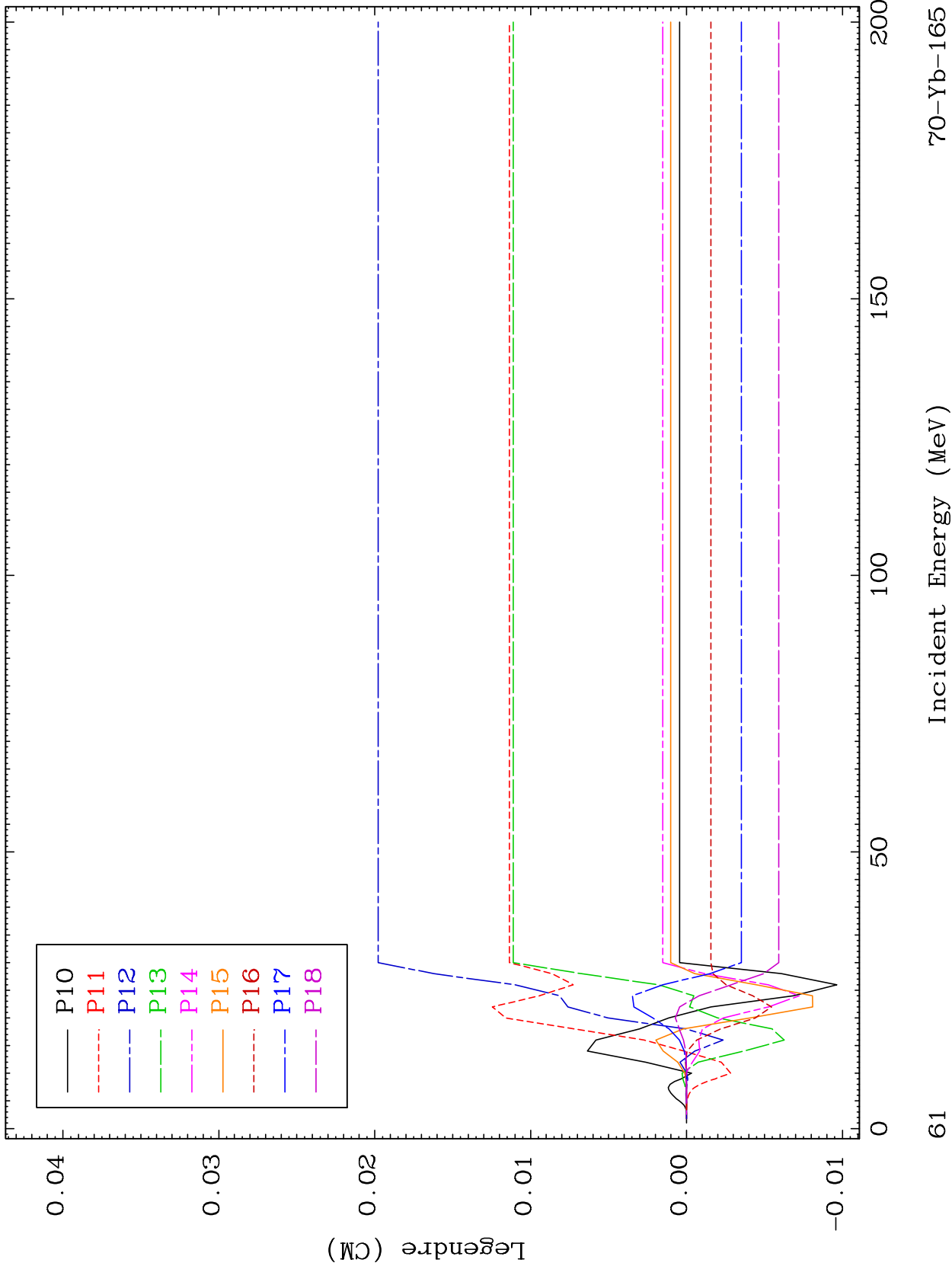




MAT 7016

330.6 keV (n,n') Level
Legendre Coefficients

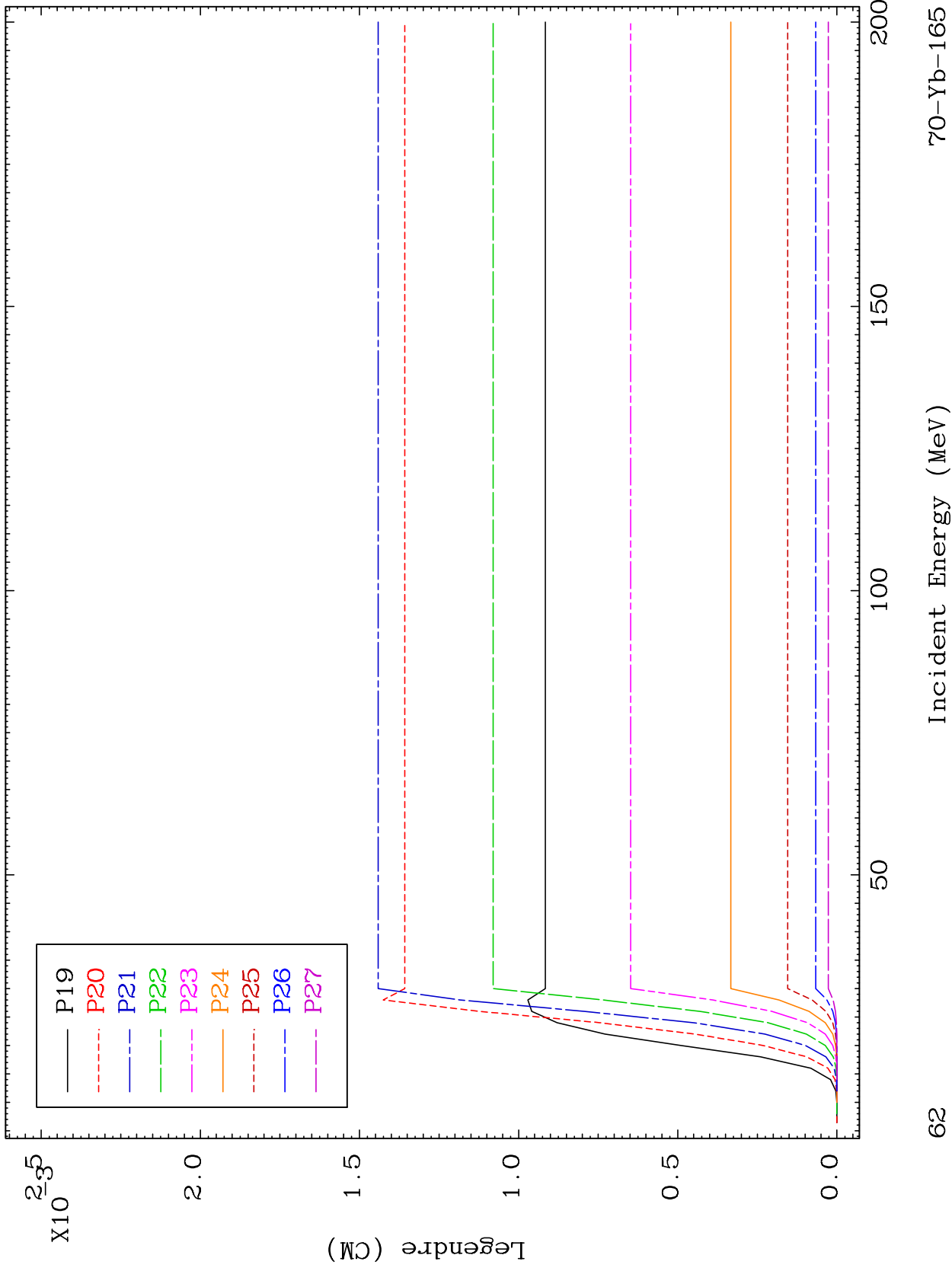
70-Yb-165

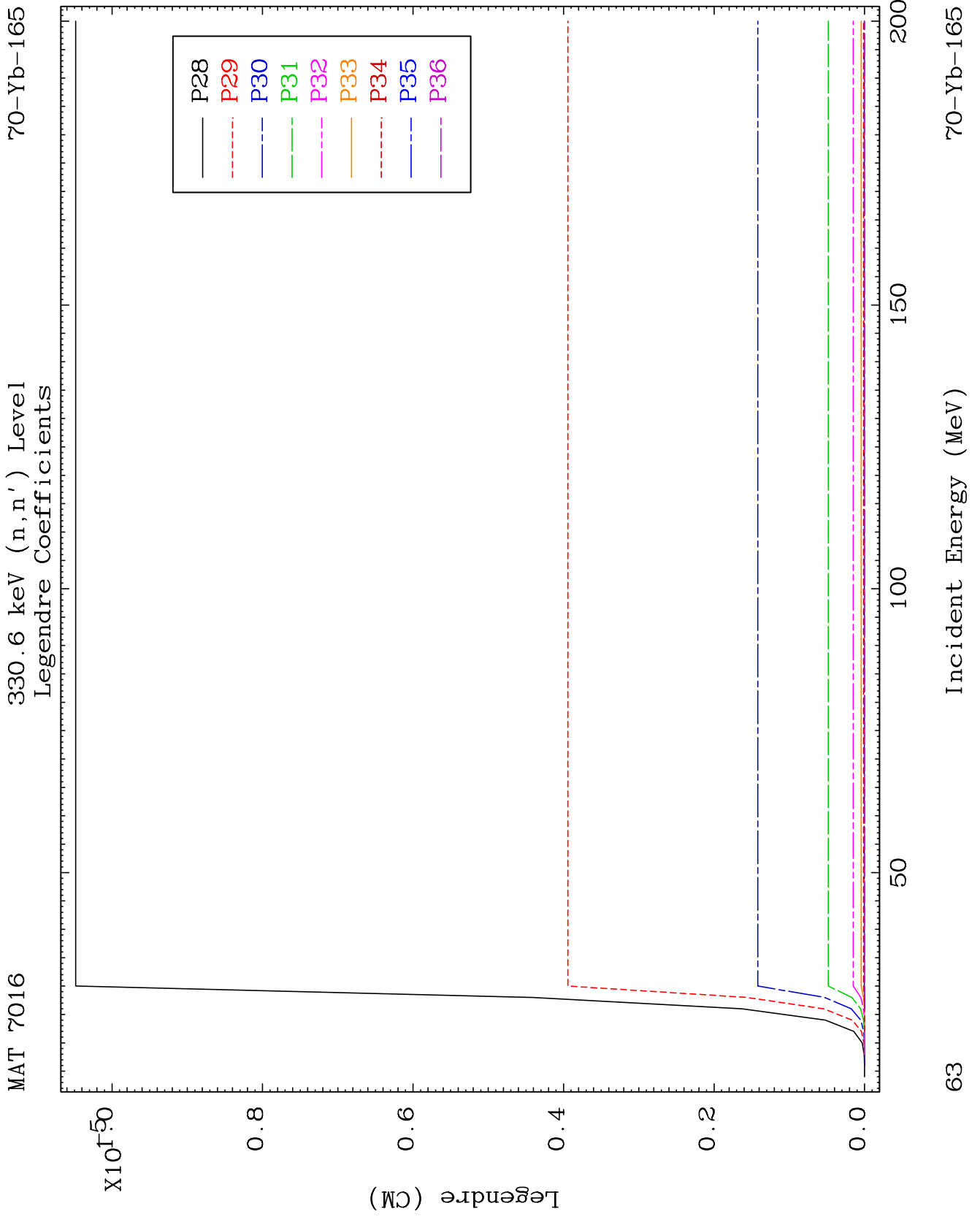


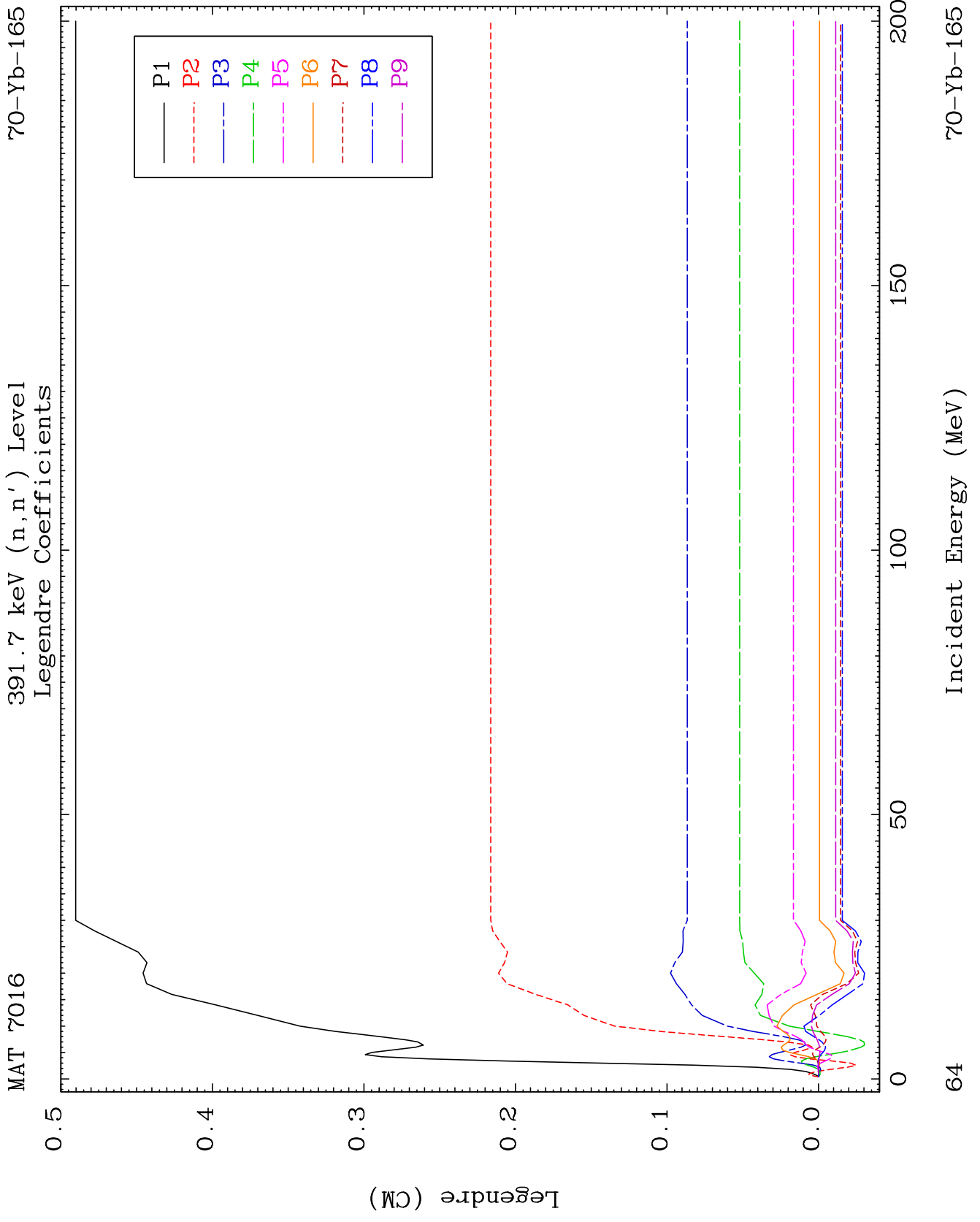
MAT 7016

330.6 keV (n, n') Level
Legendre Coefficients

70-Yb-165



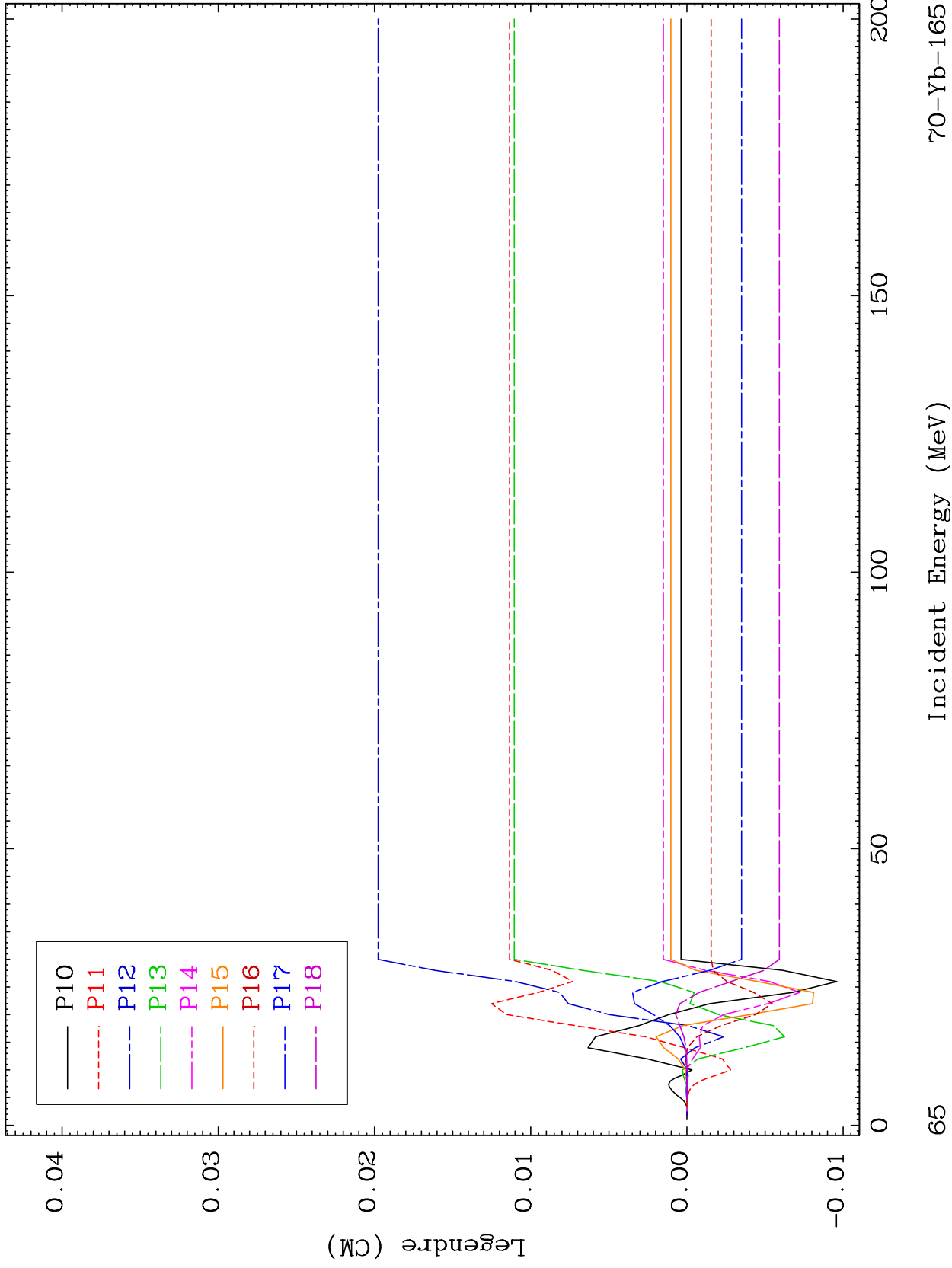




MAT 7016

391.7 keV (n,n') Level
Legendre Coefficients

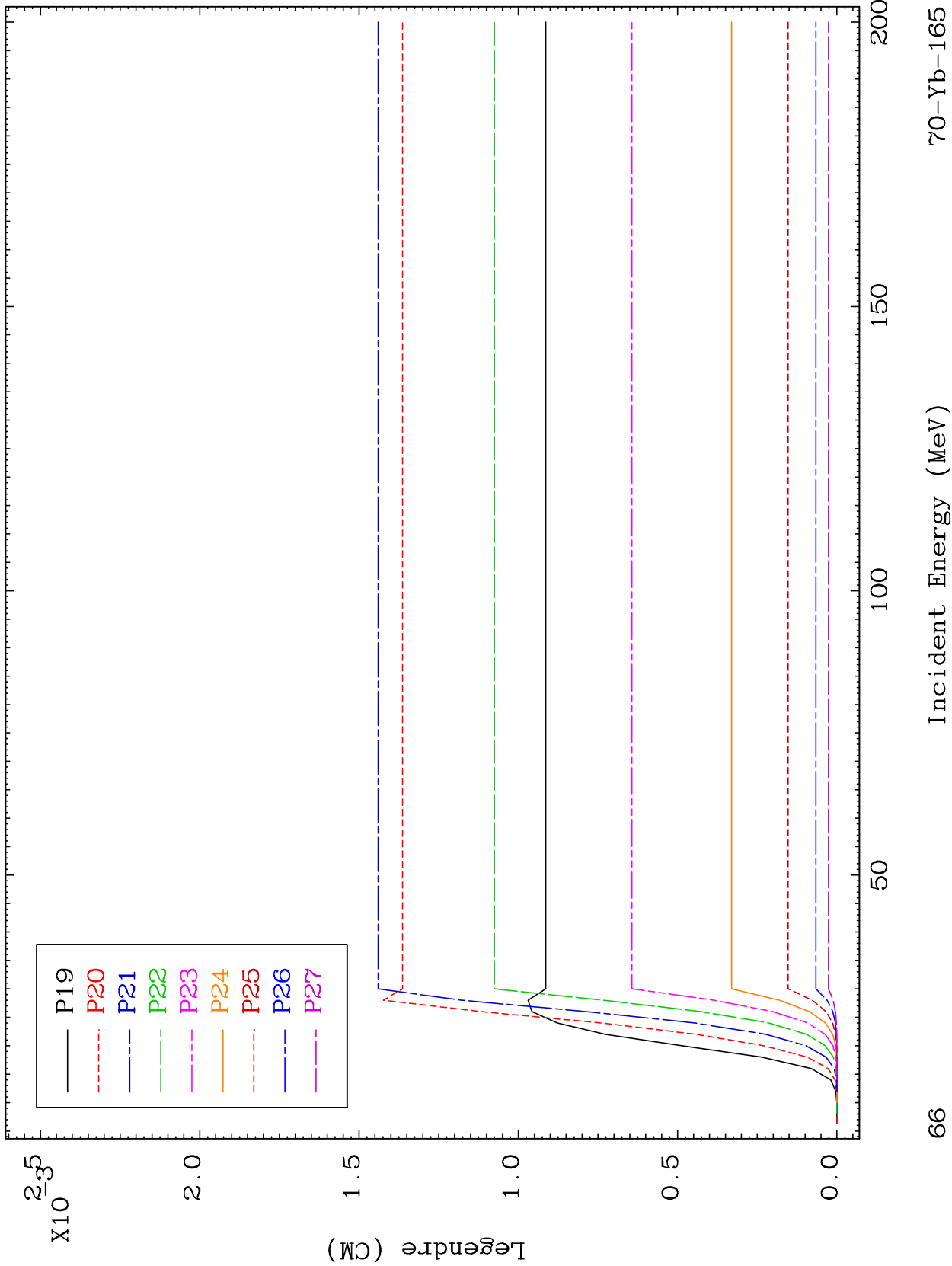
70-Yb-165

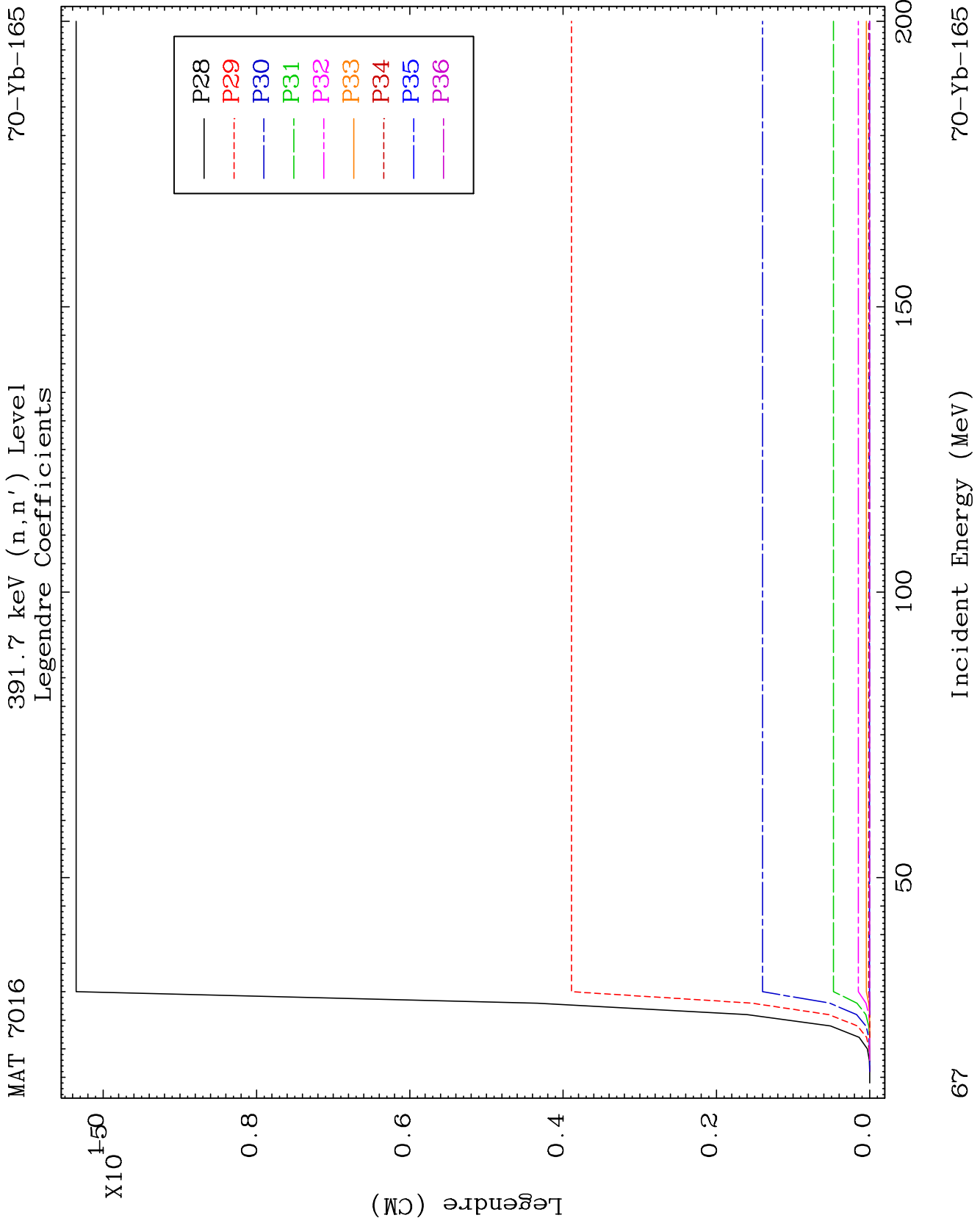


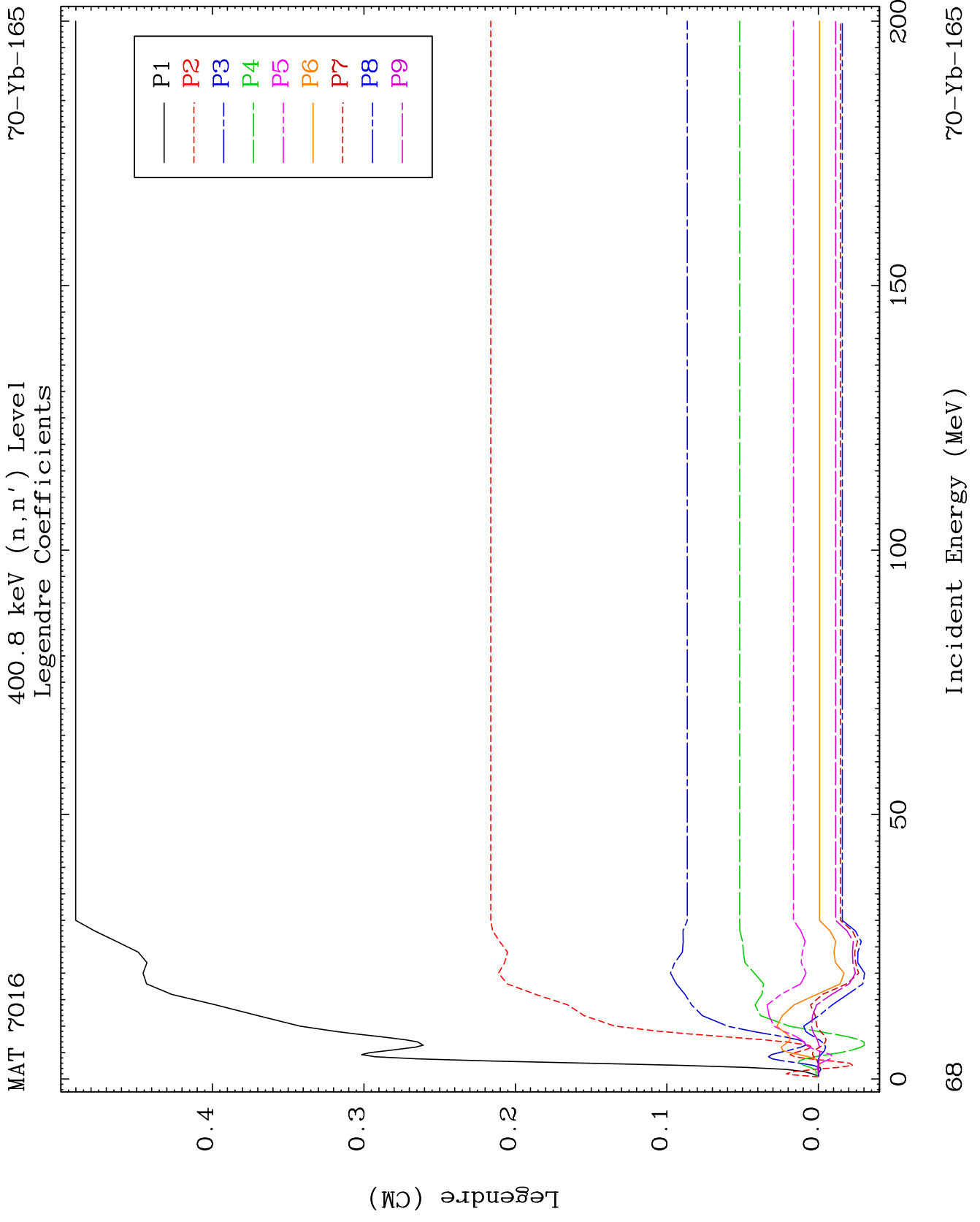
70-Yb-165

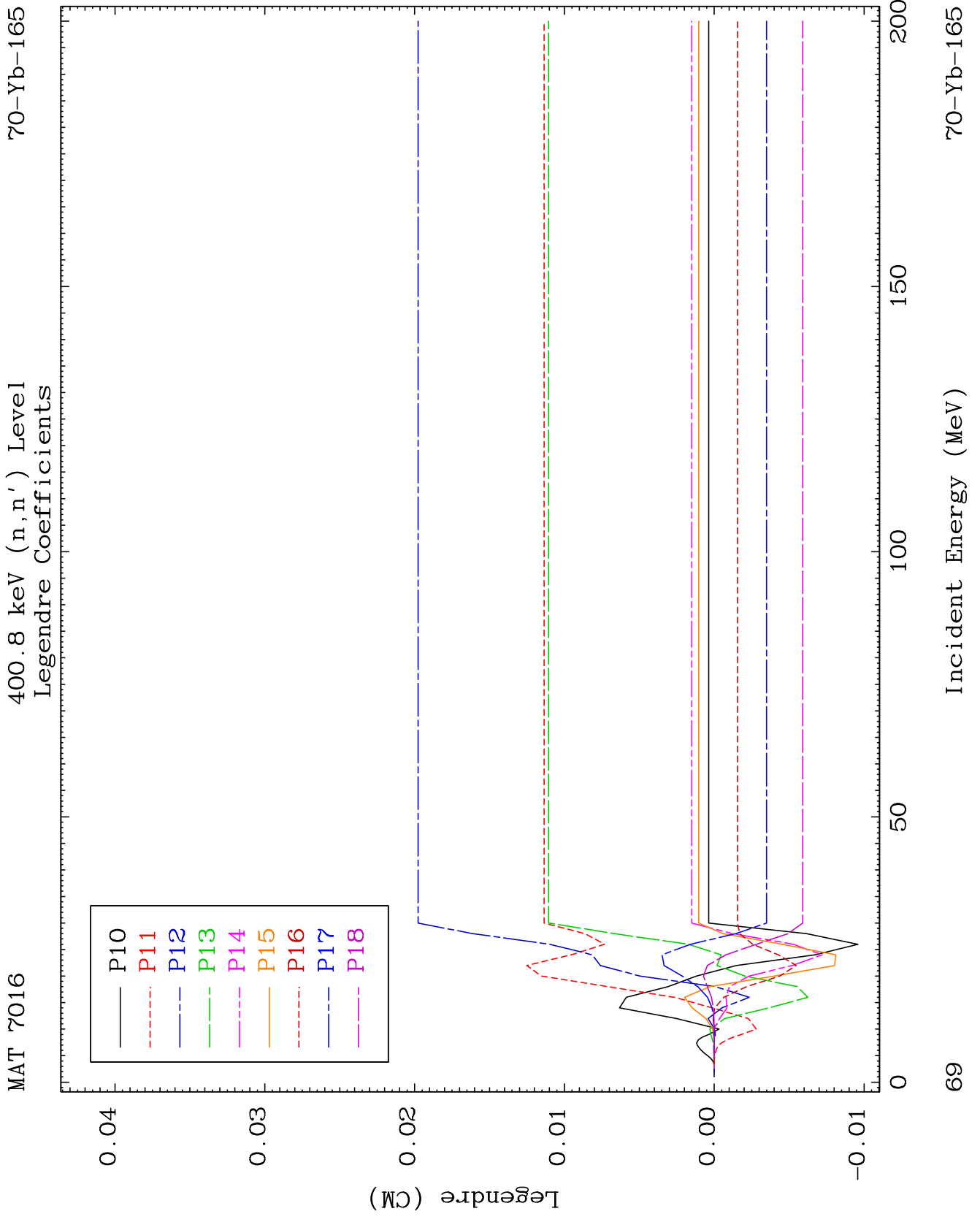
Incident Energy (MeV)

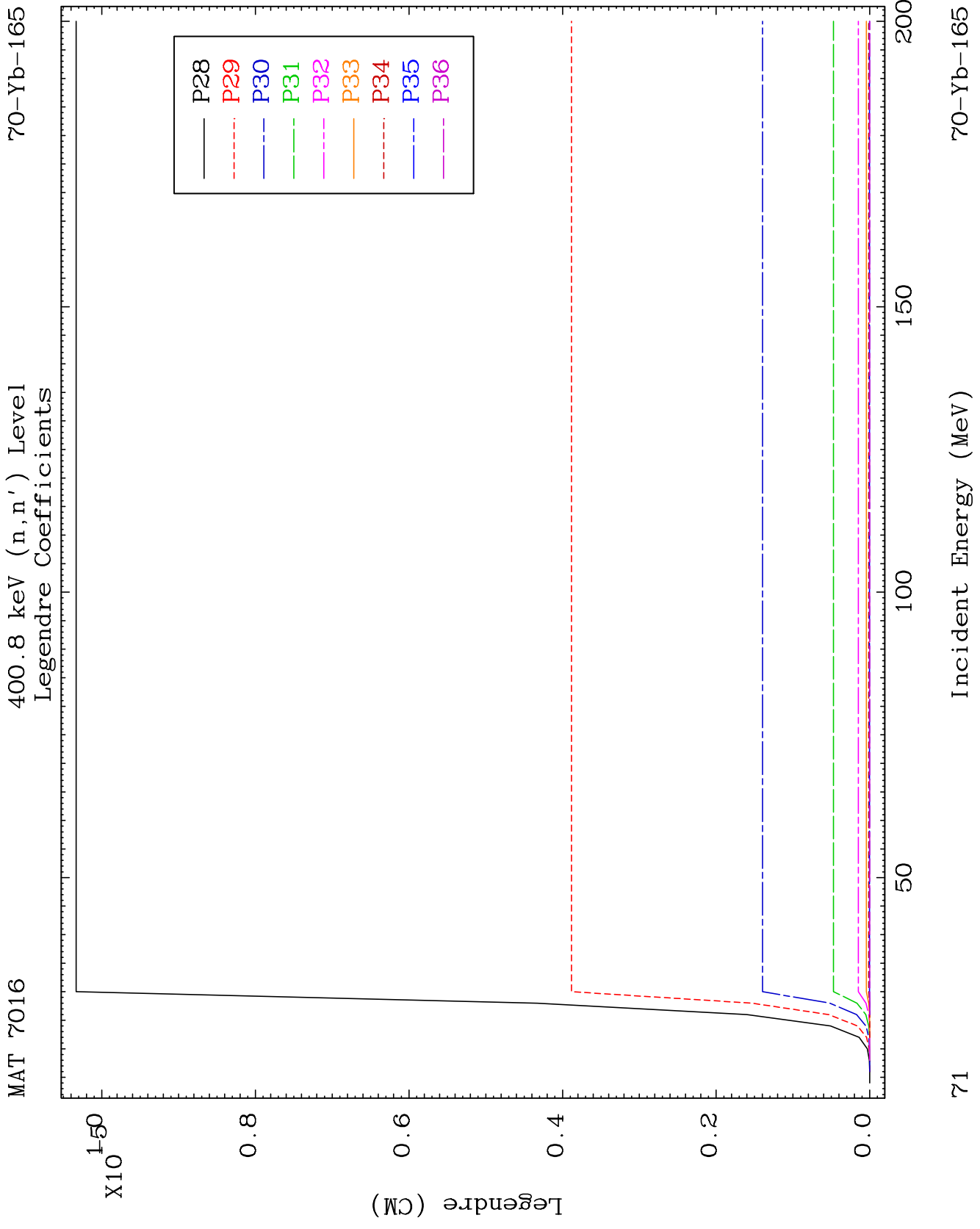
65

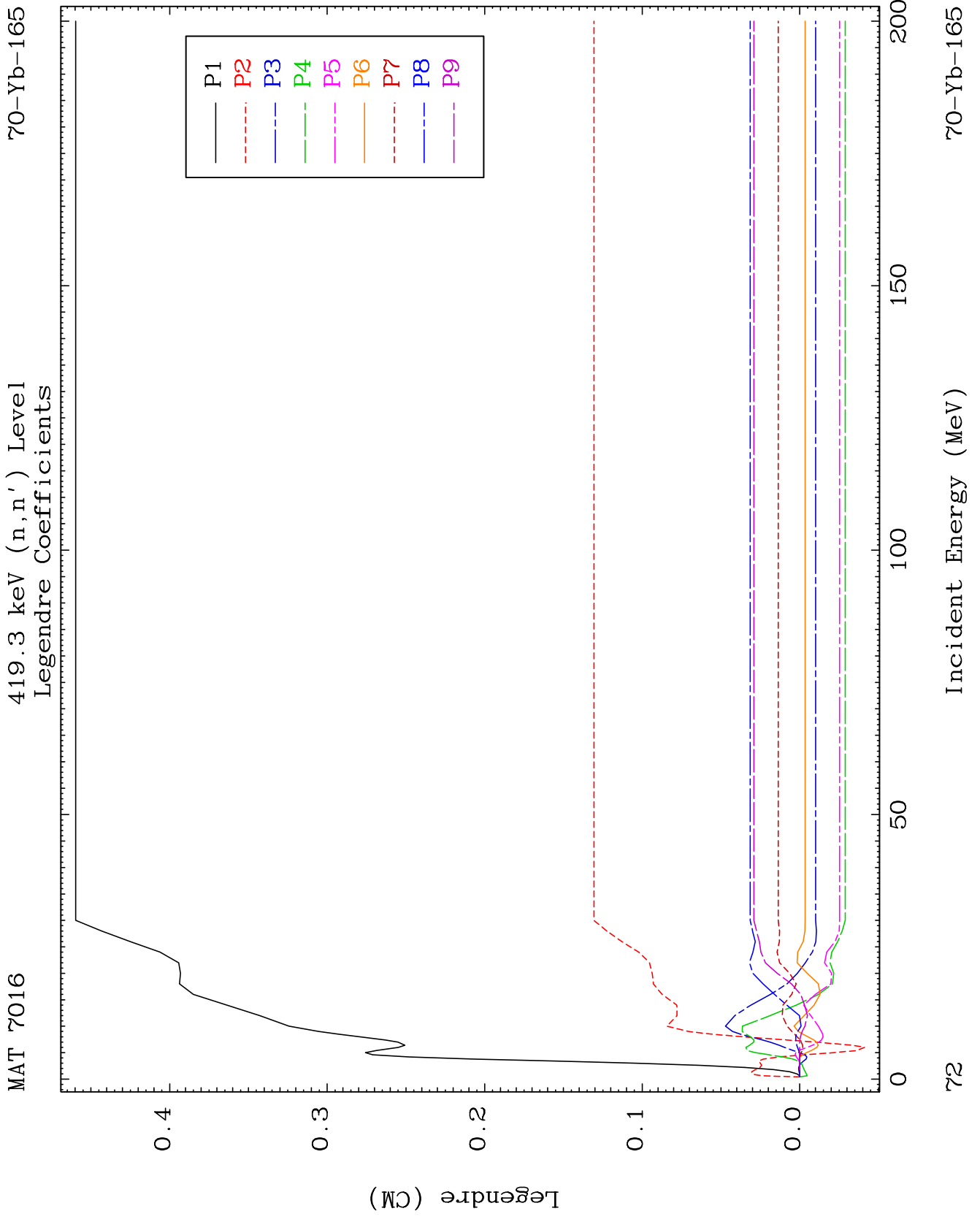








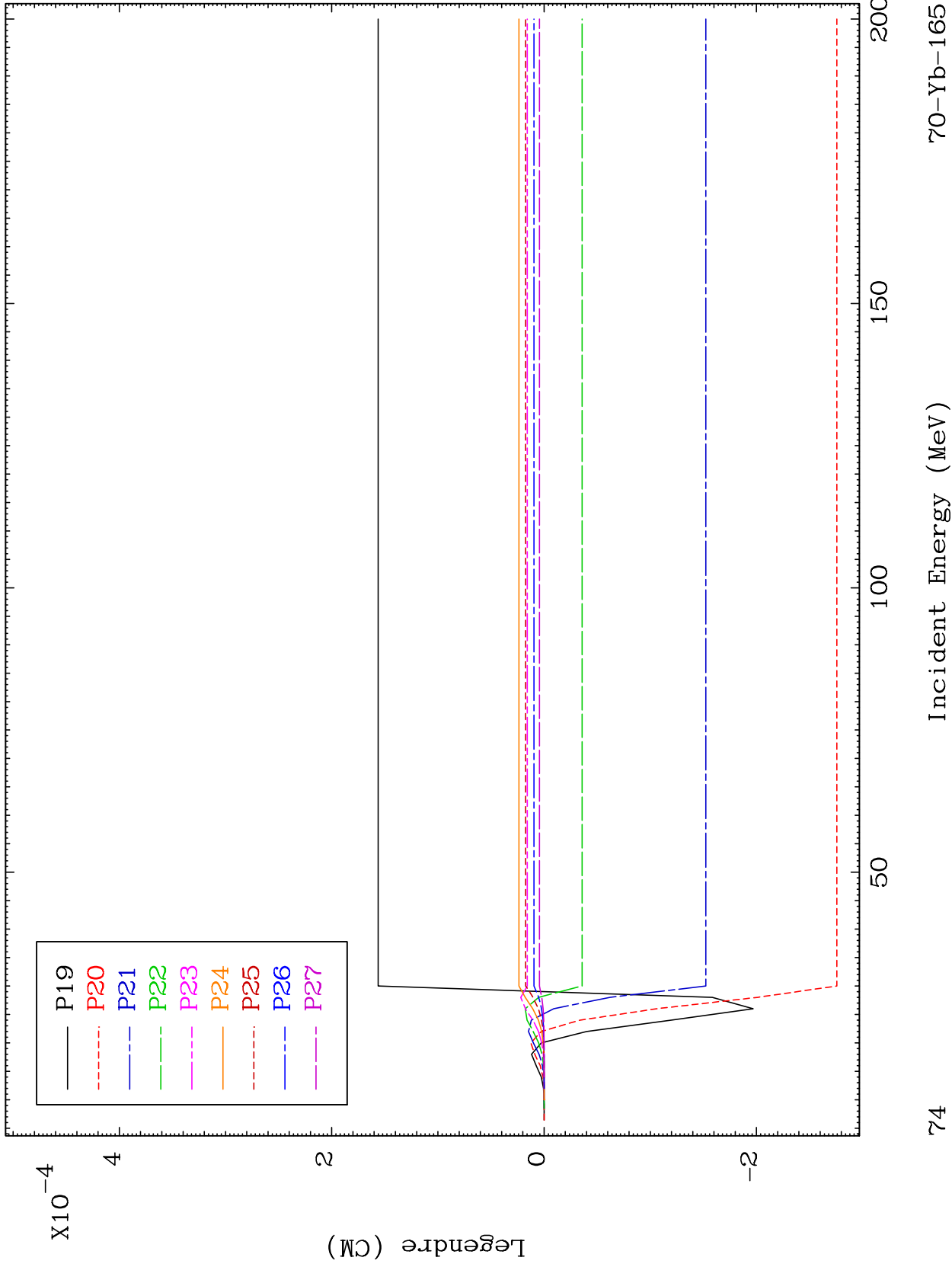




MAT 7016

419.3 keV (n,n') Level
Legendre Coefficients

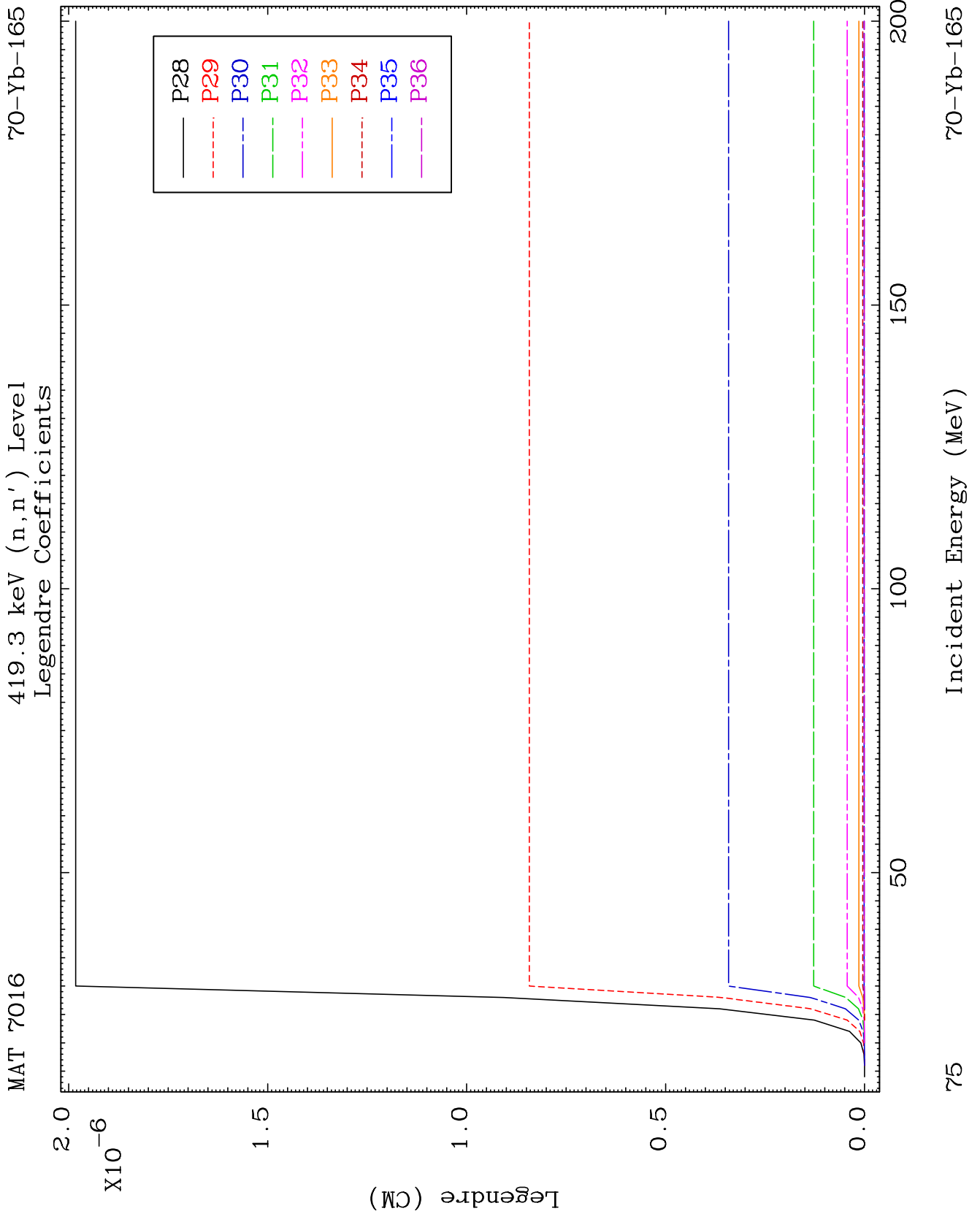
70-Yb-165

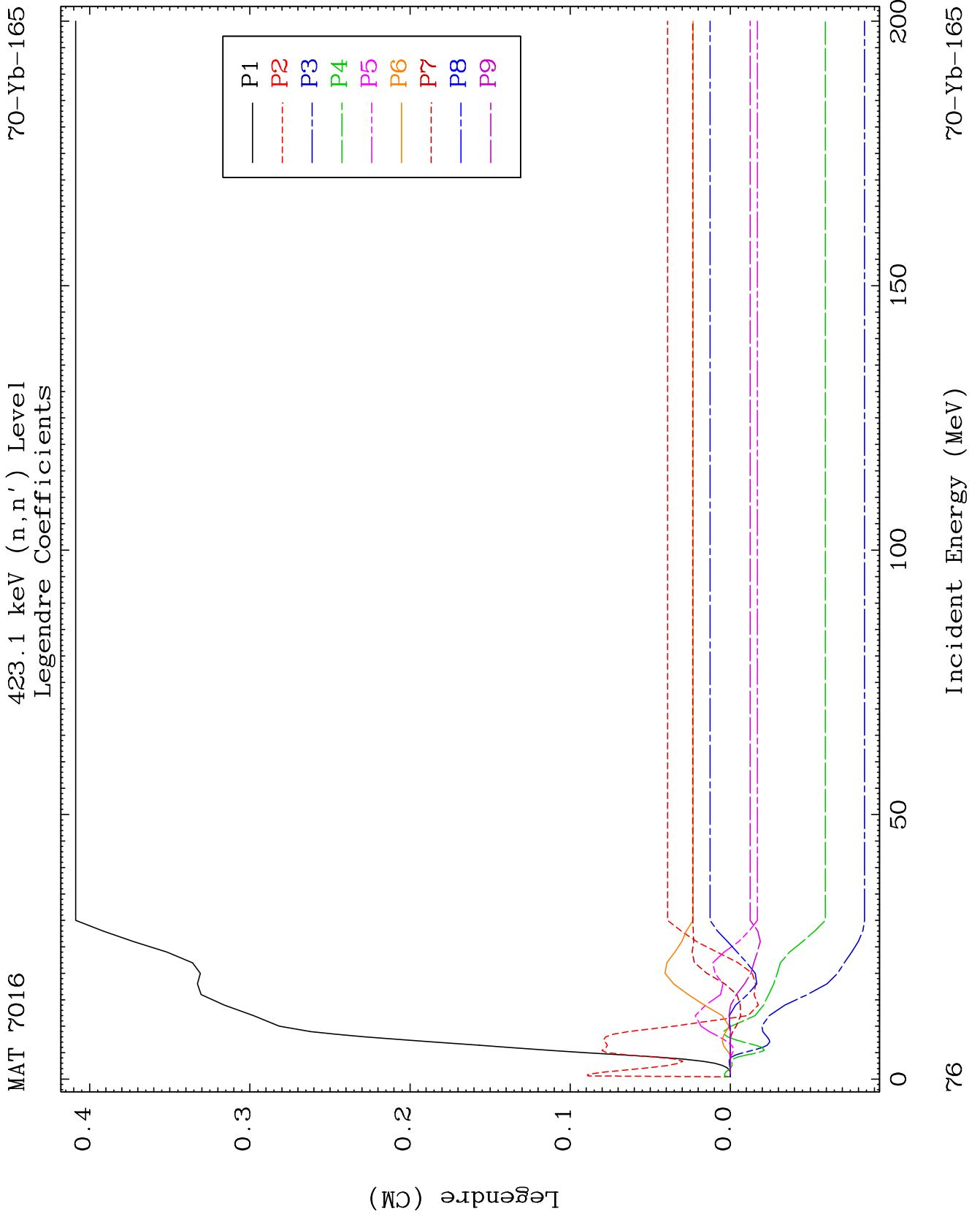


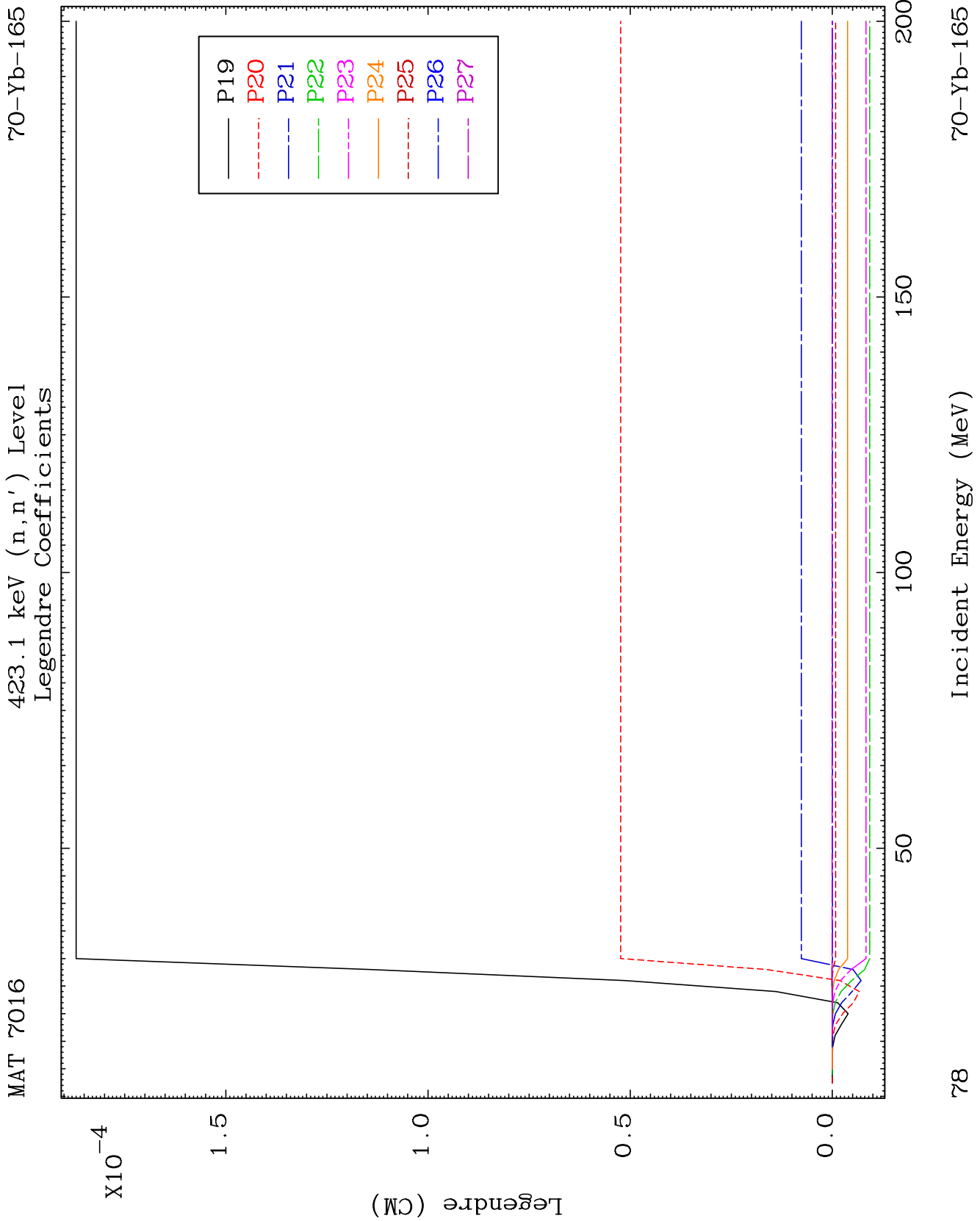
74

Incident Energy (MeV)

70-Yb-165



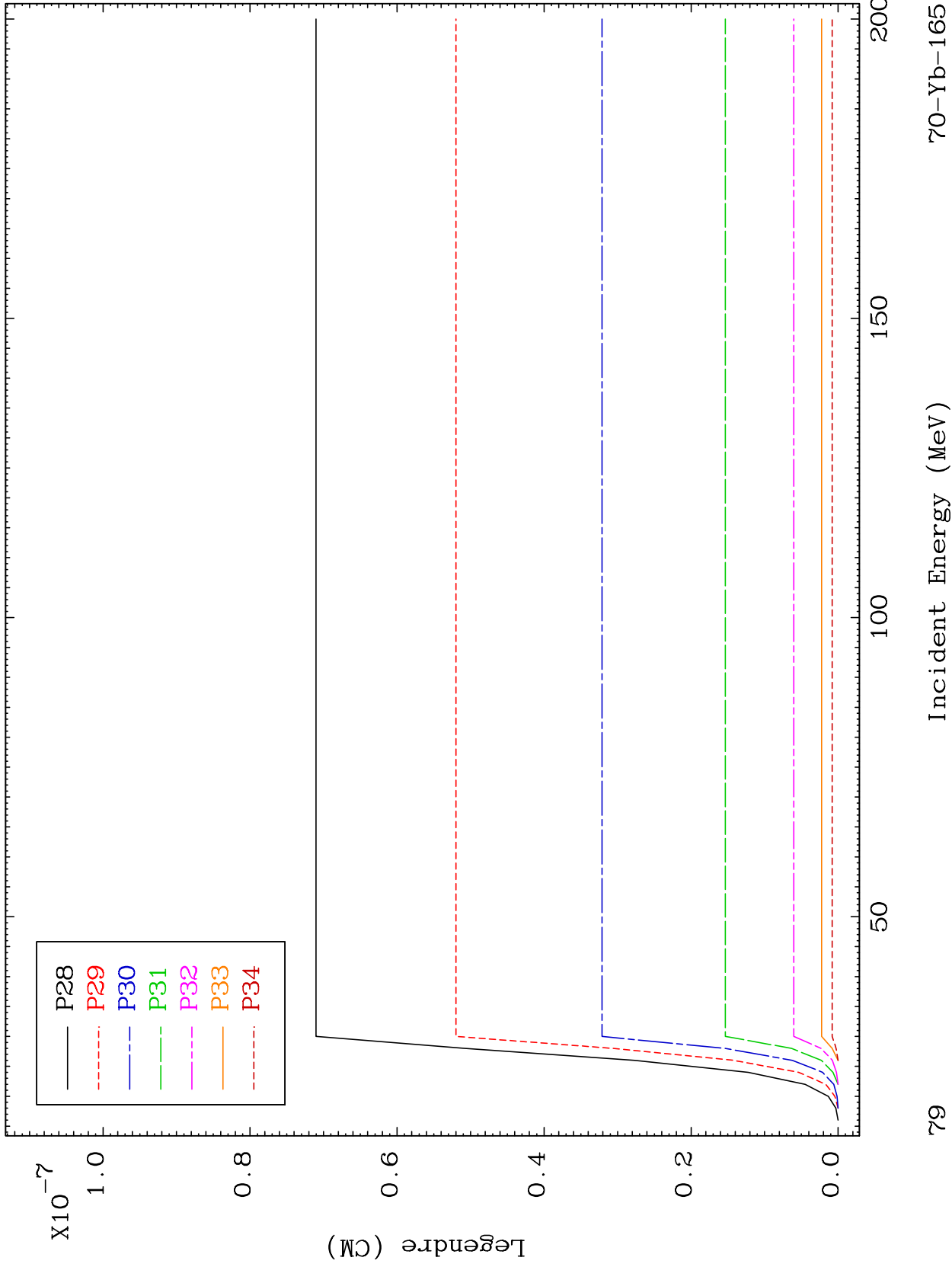




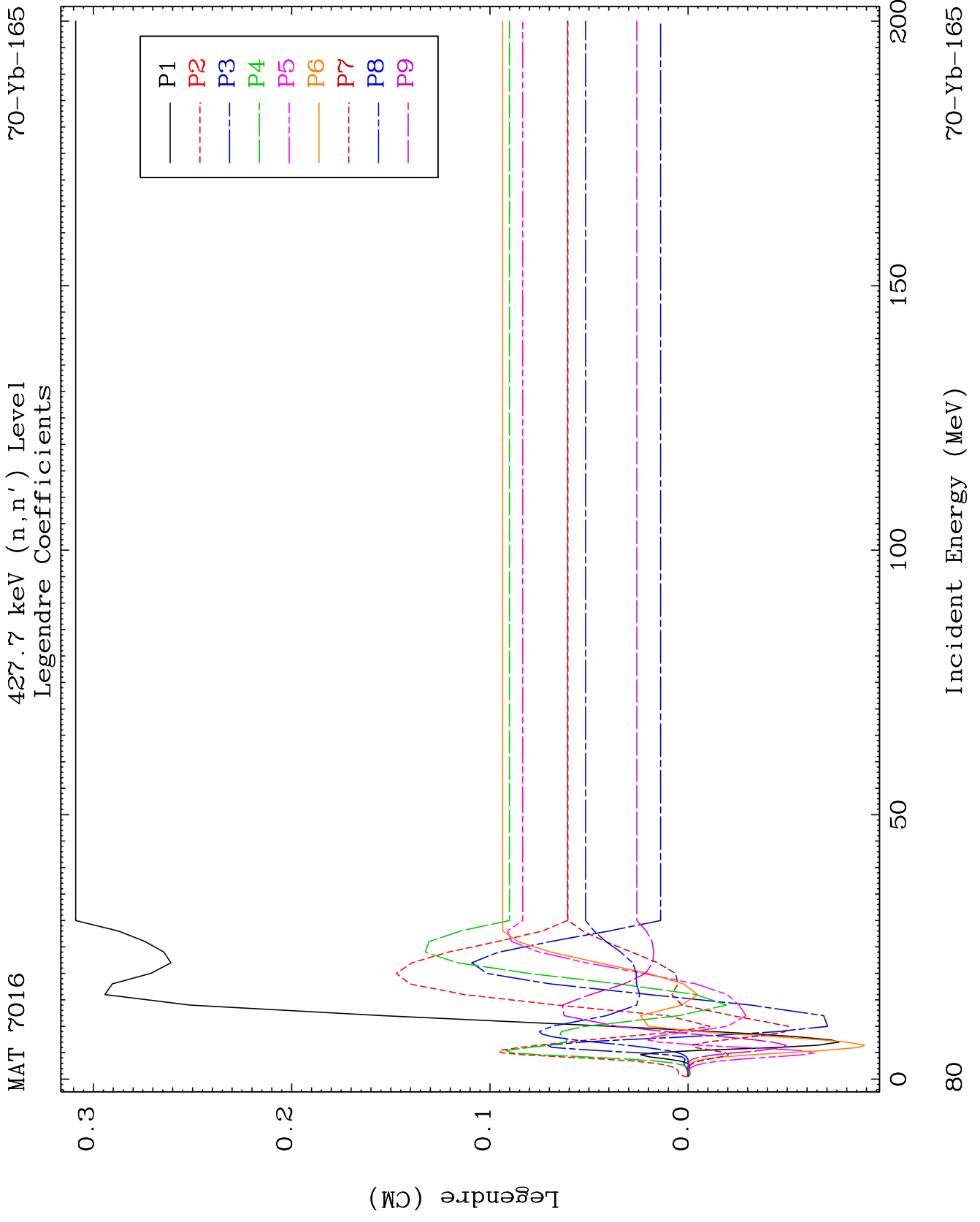
MAT 7016

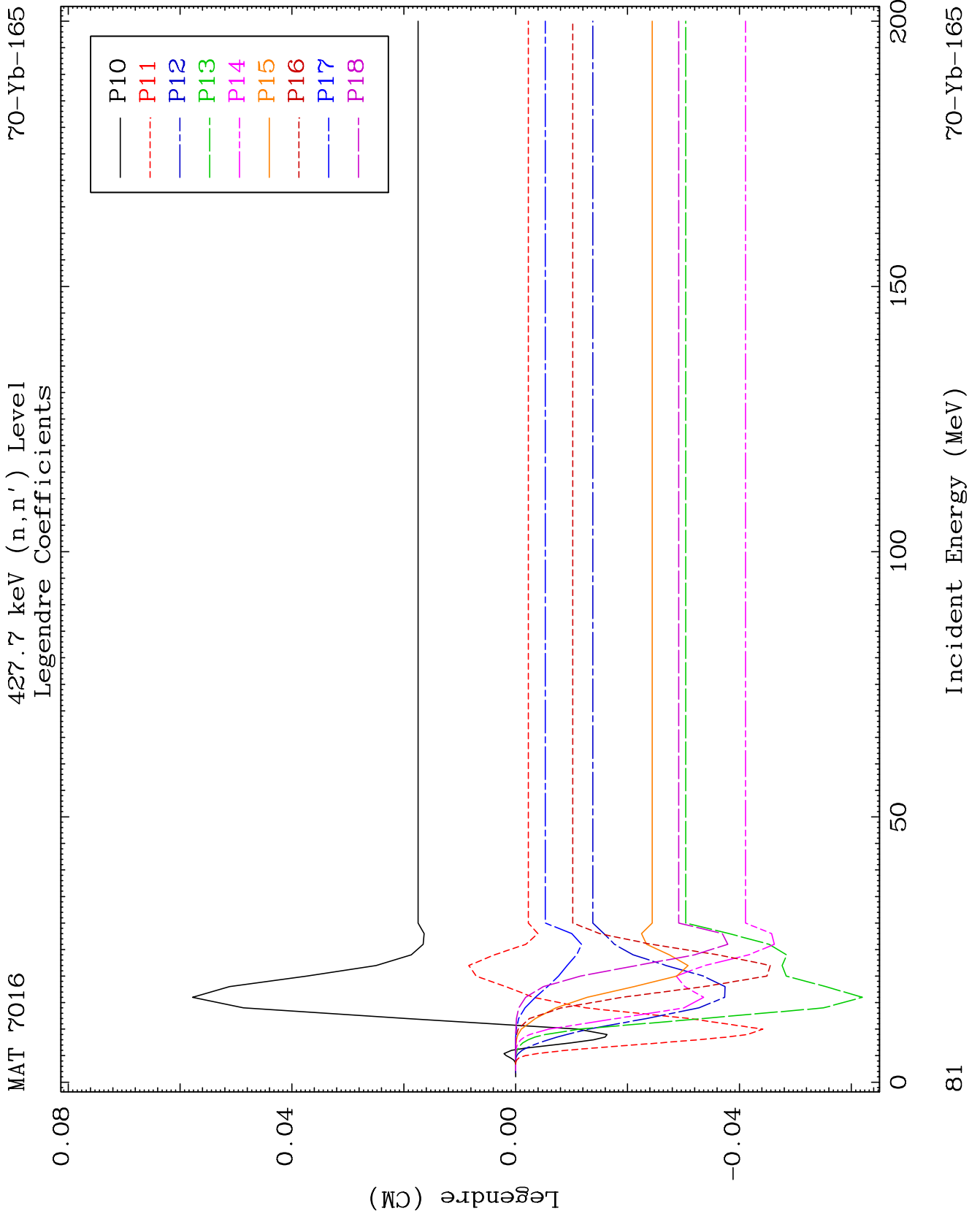
423.1 keV (n,n') Level
Legendre Coefficients

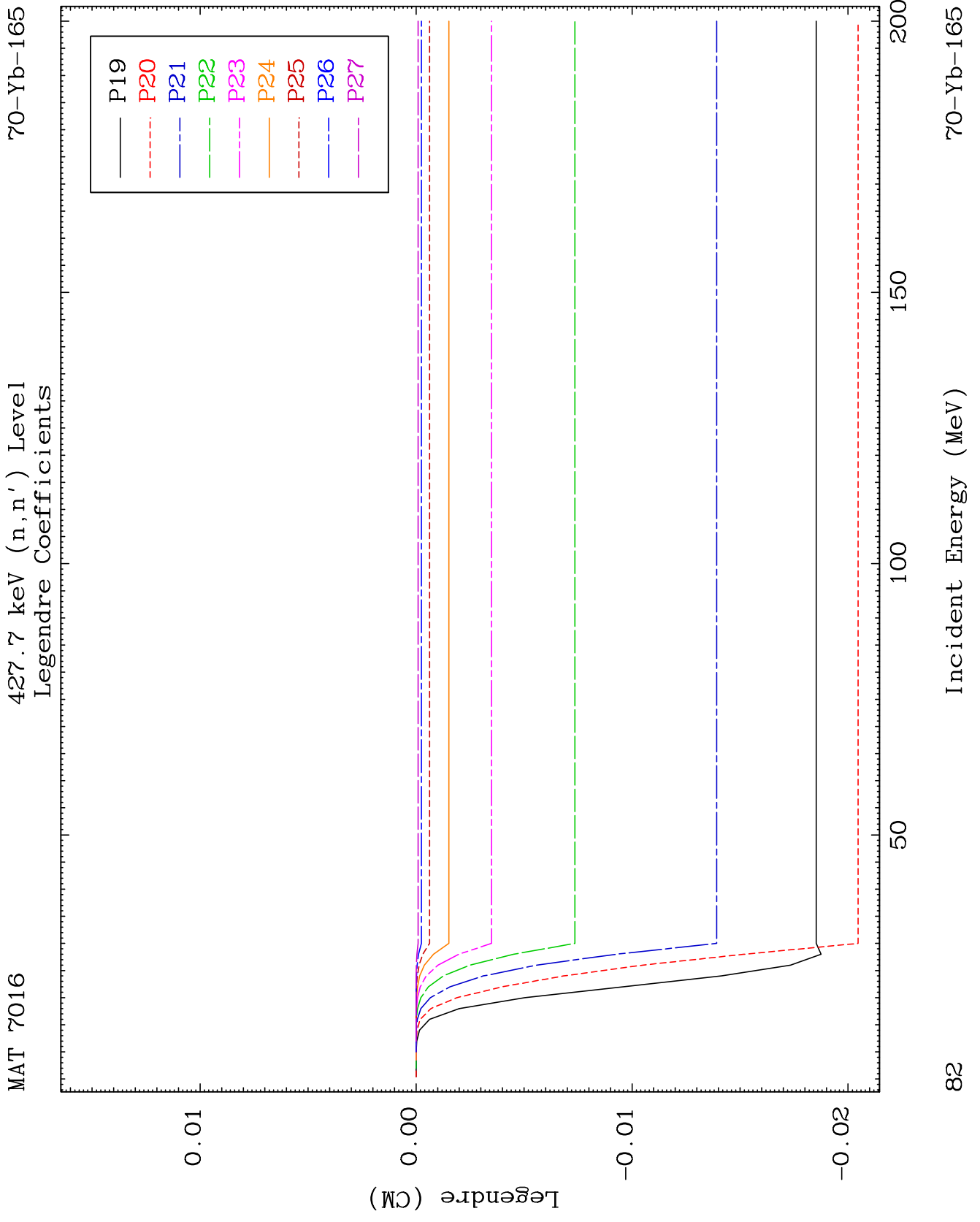
70-Yb-165

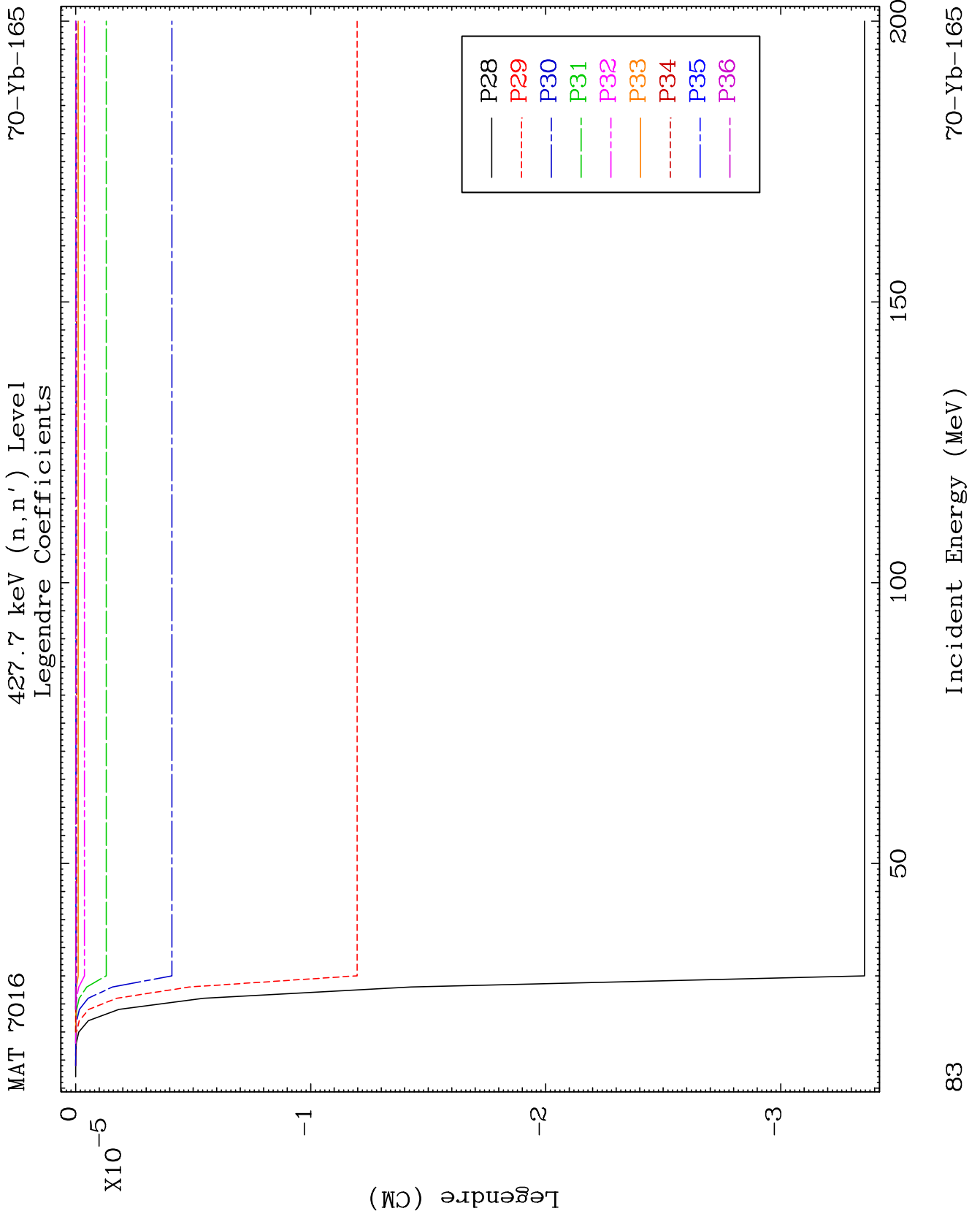


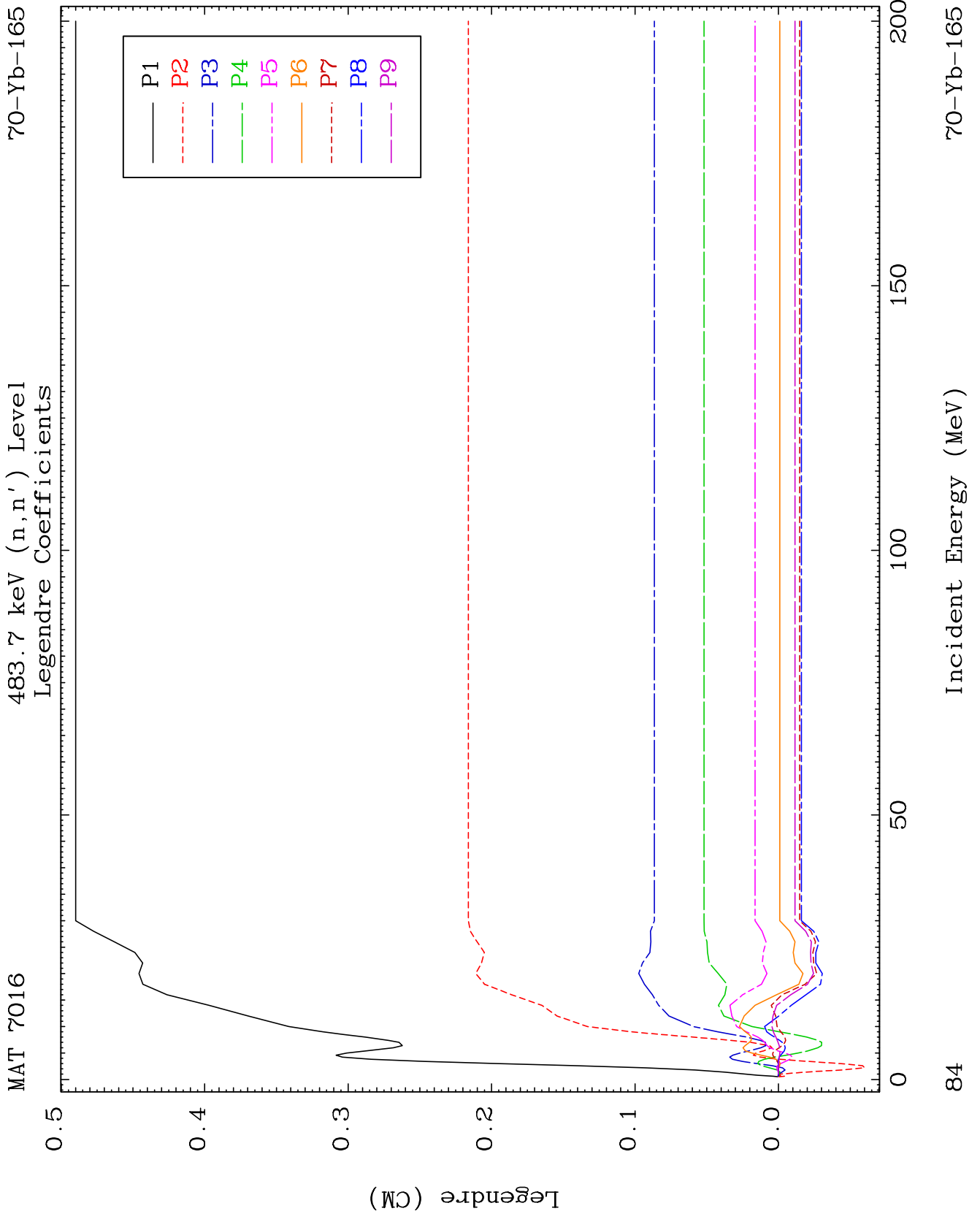
79







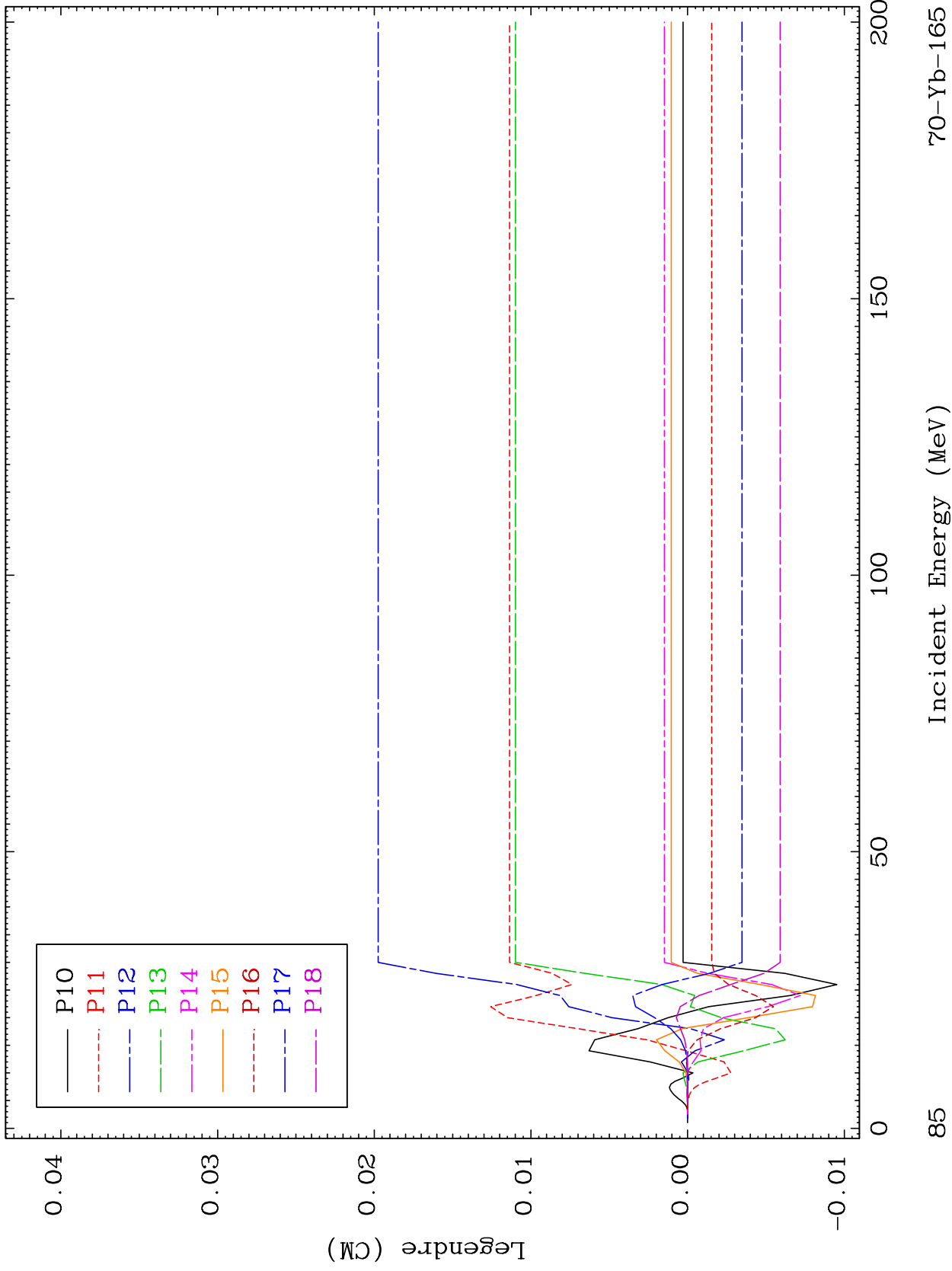




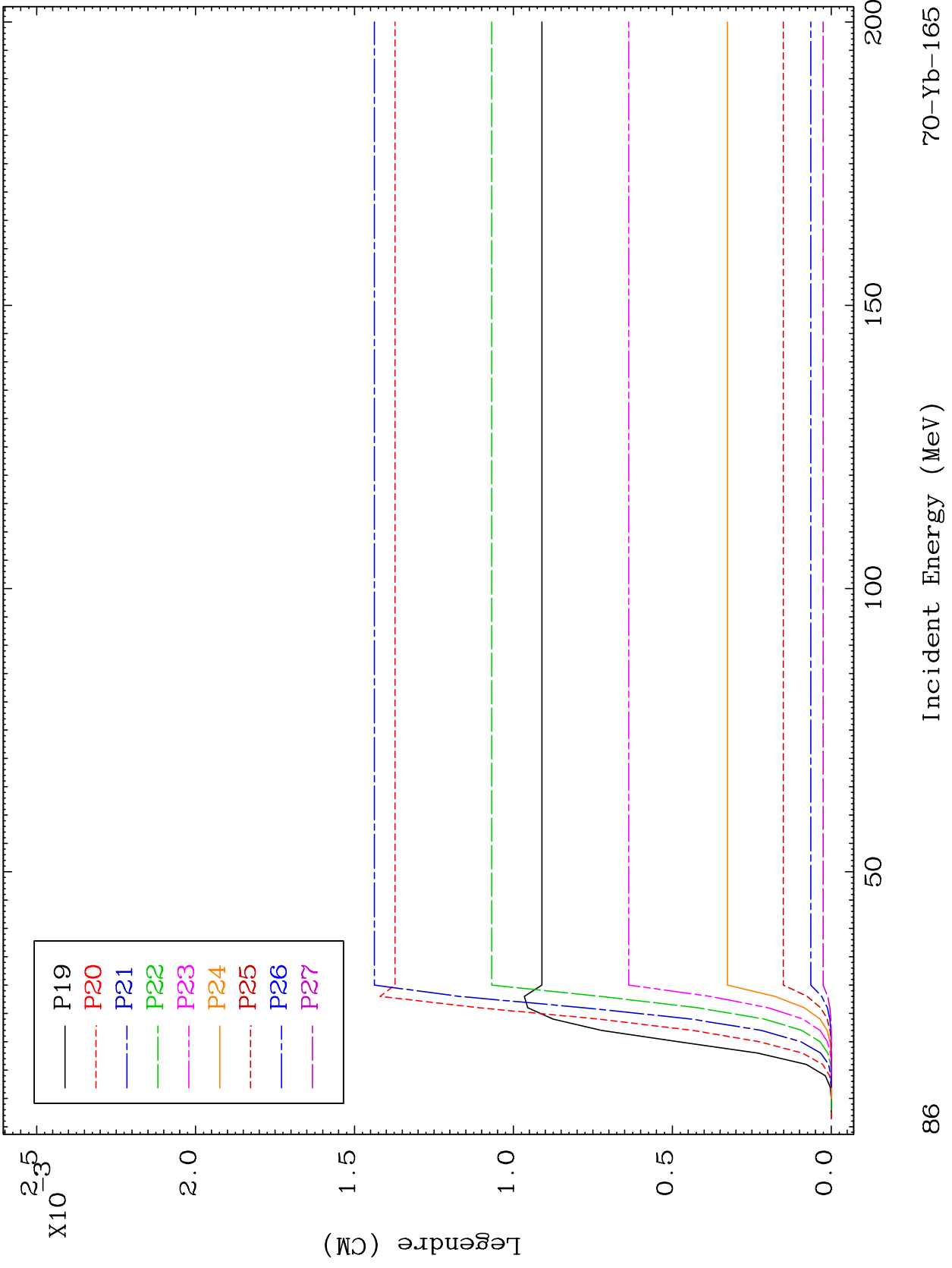
MAT 7016

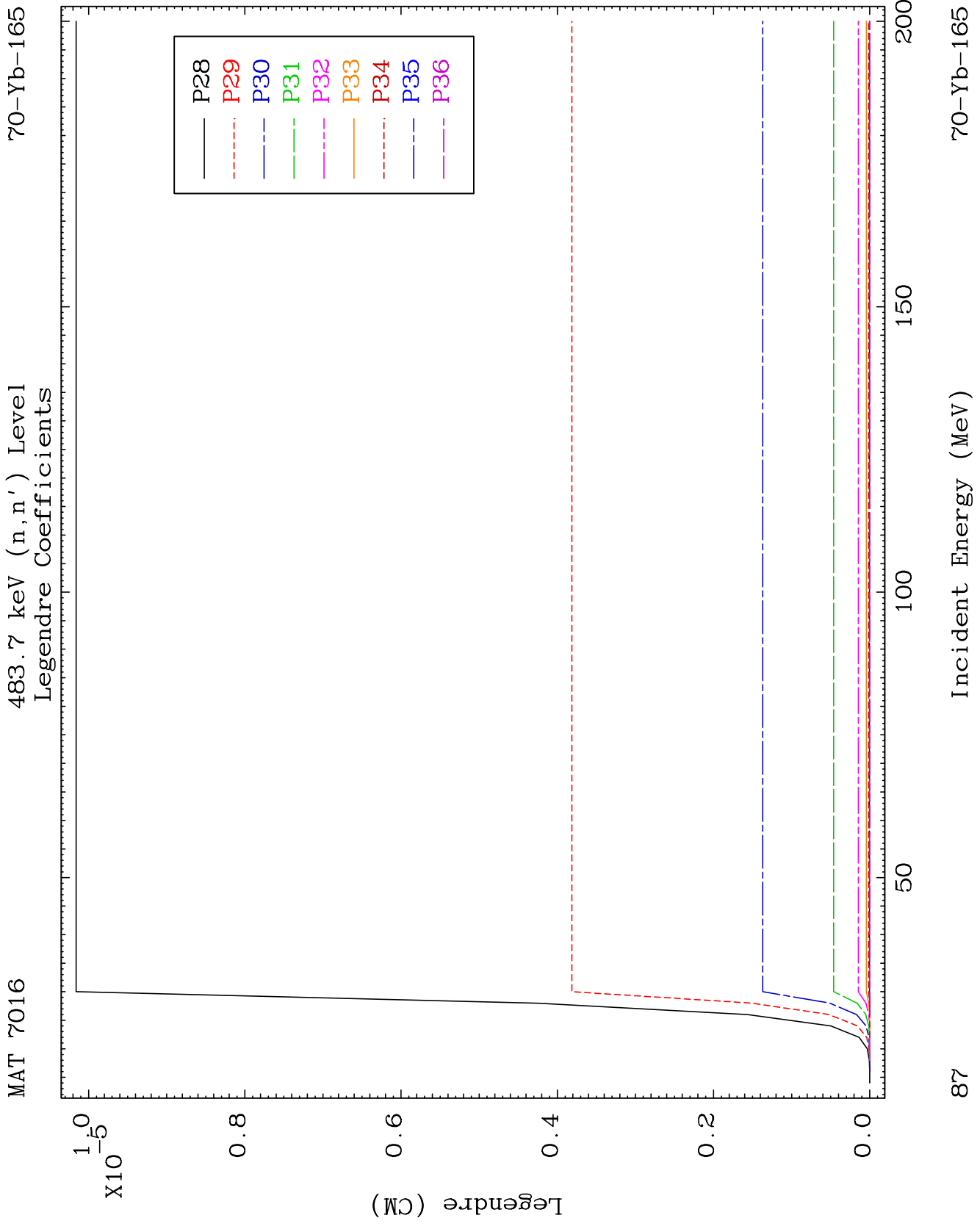
483.7 keV (n,n') Level
Legendre Coefficients

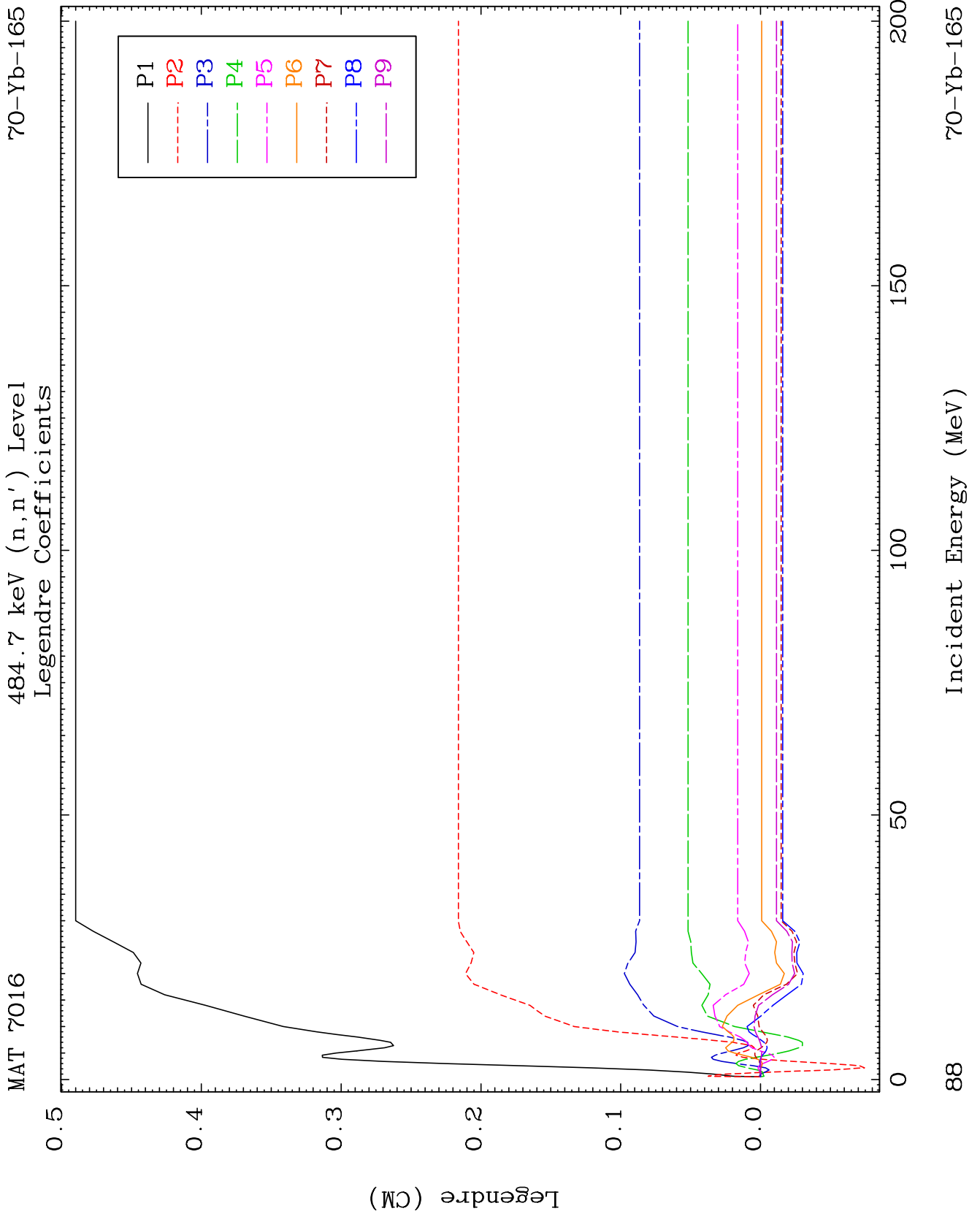
70-Yb-165

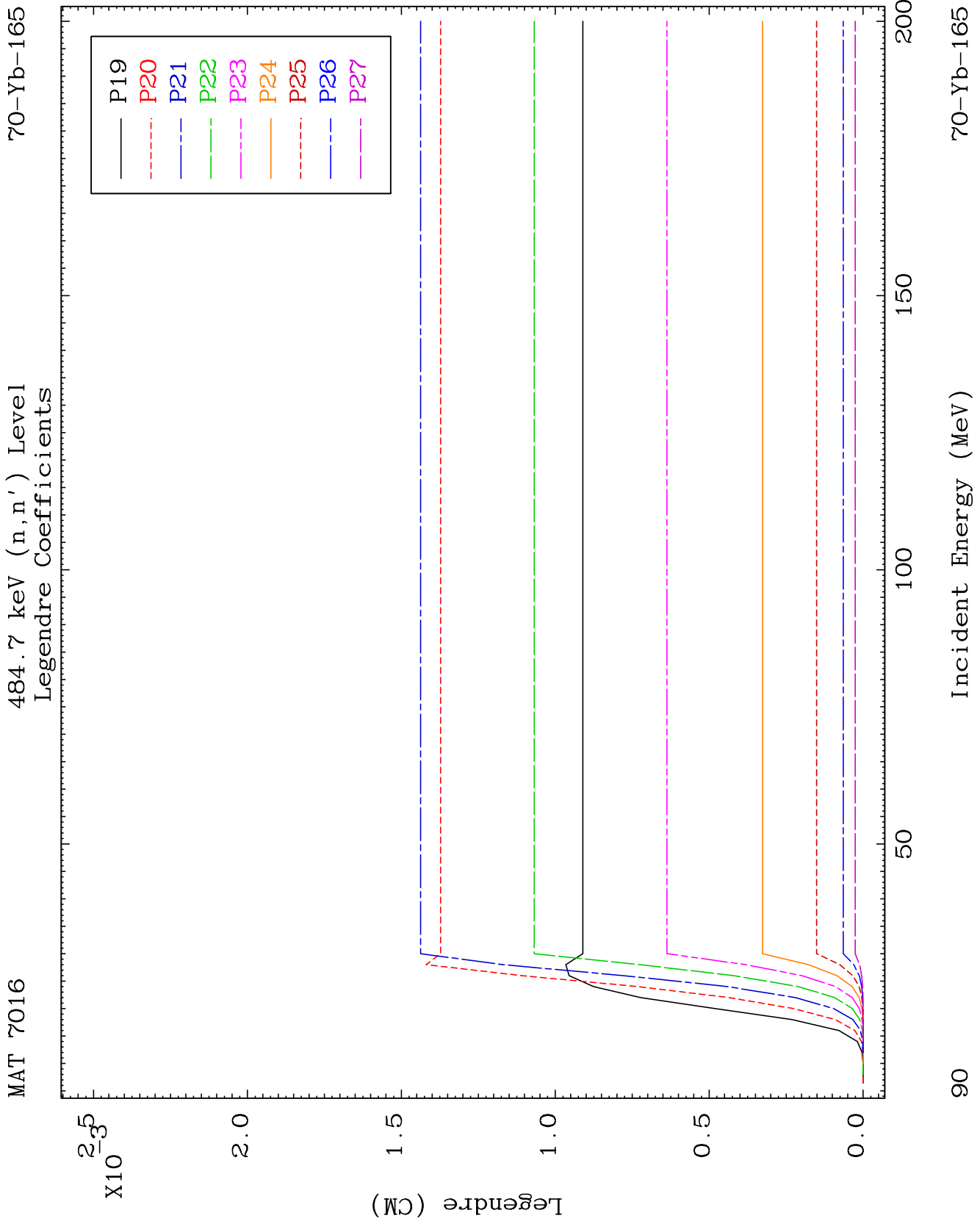


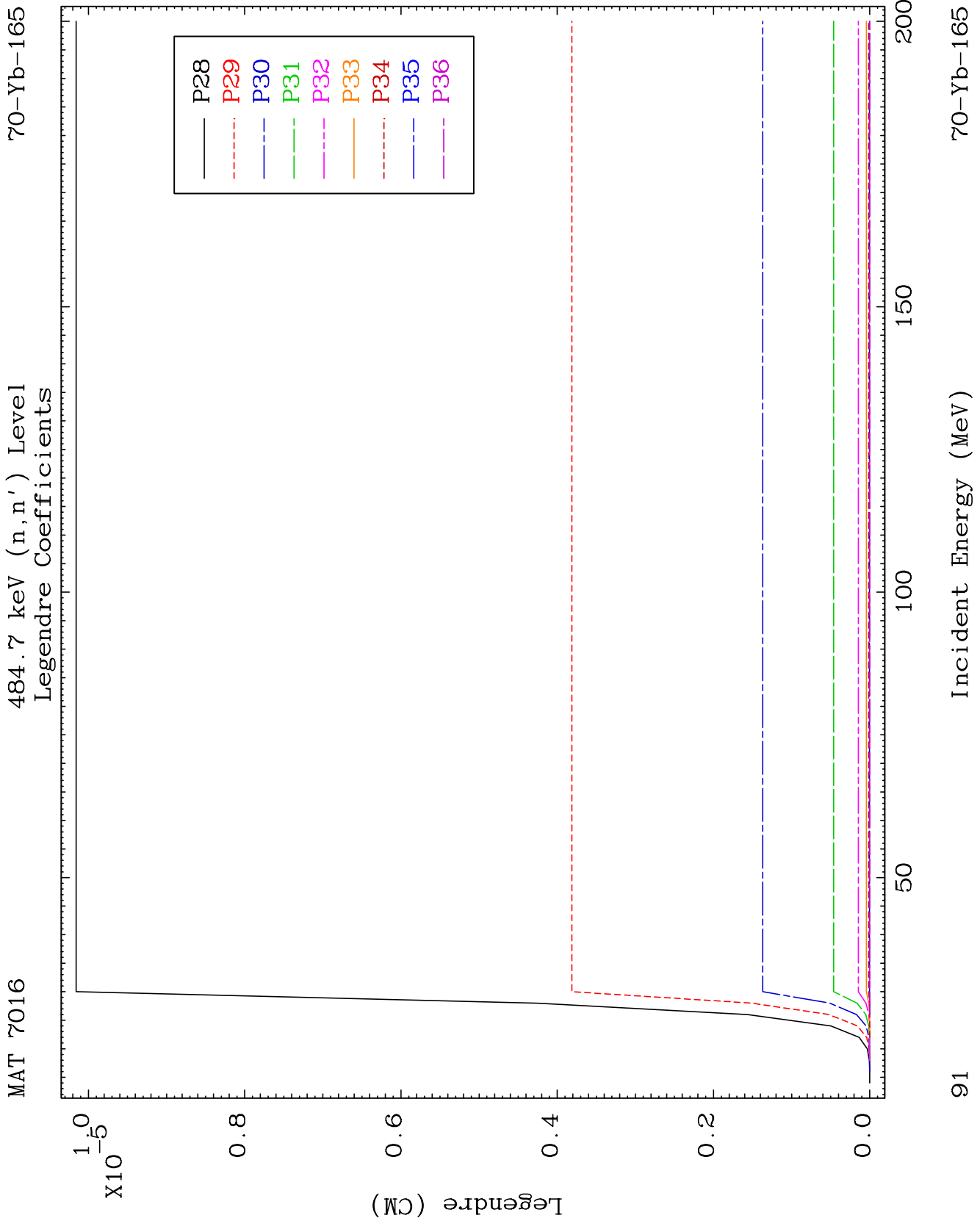
85

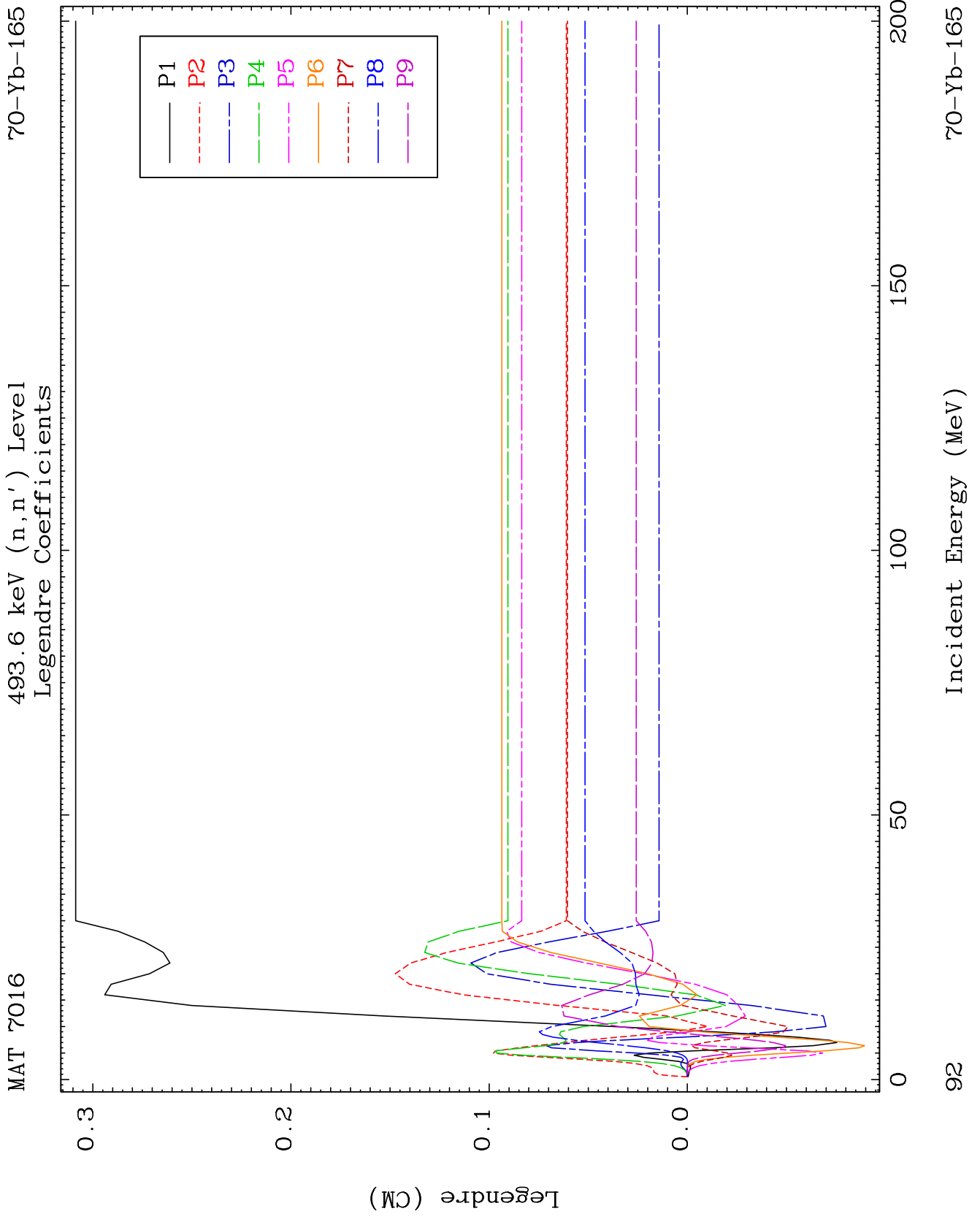


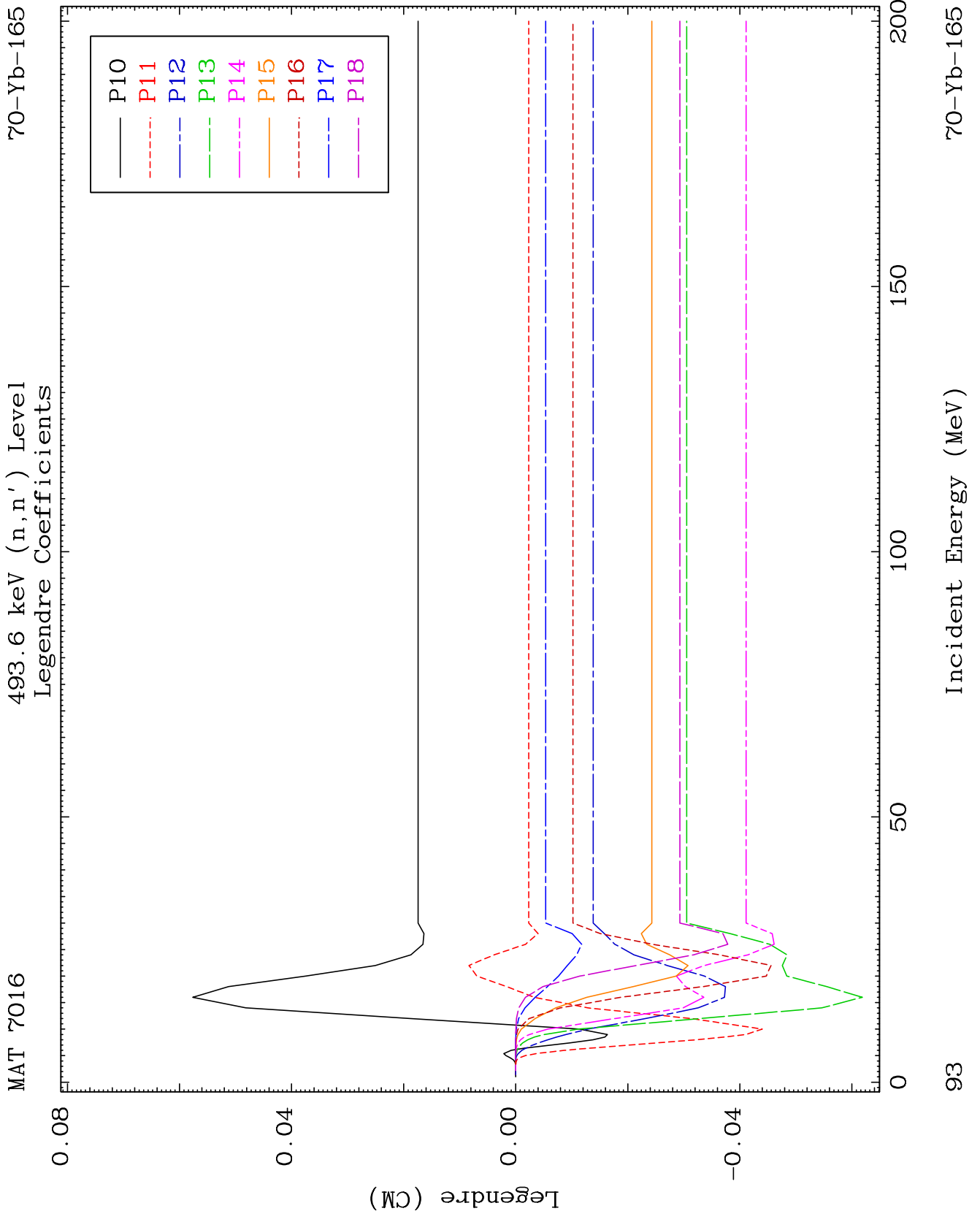


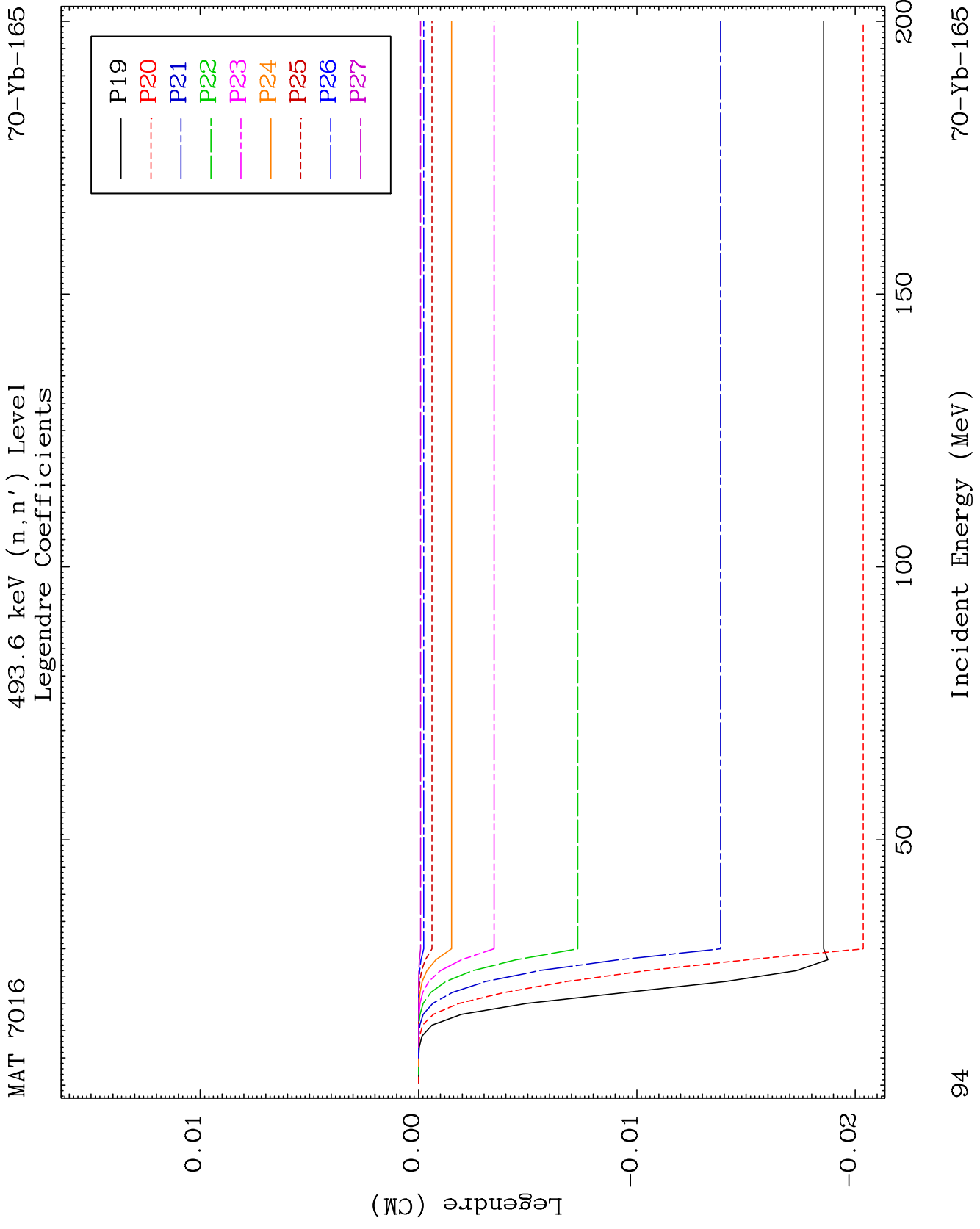


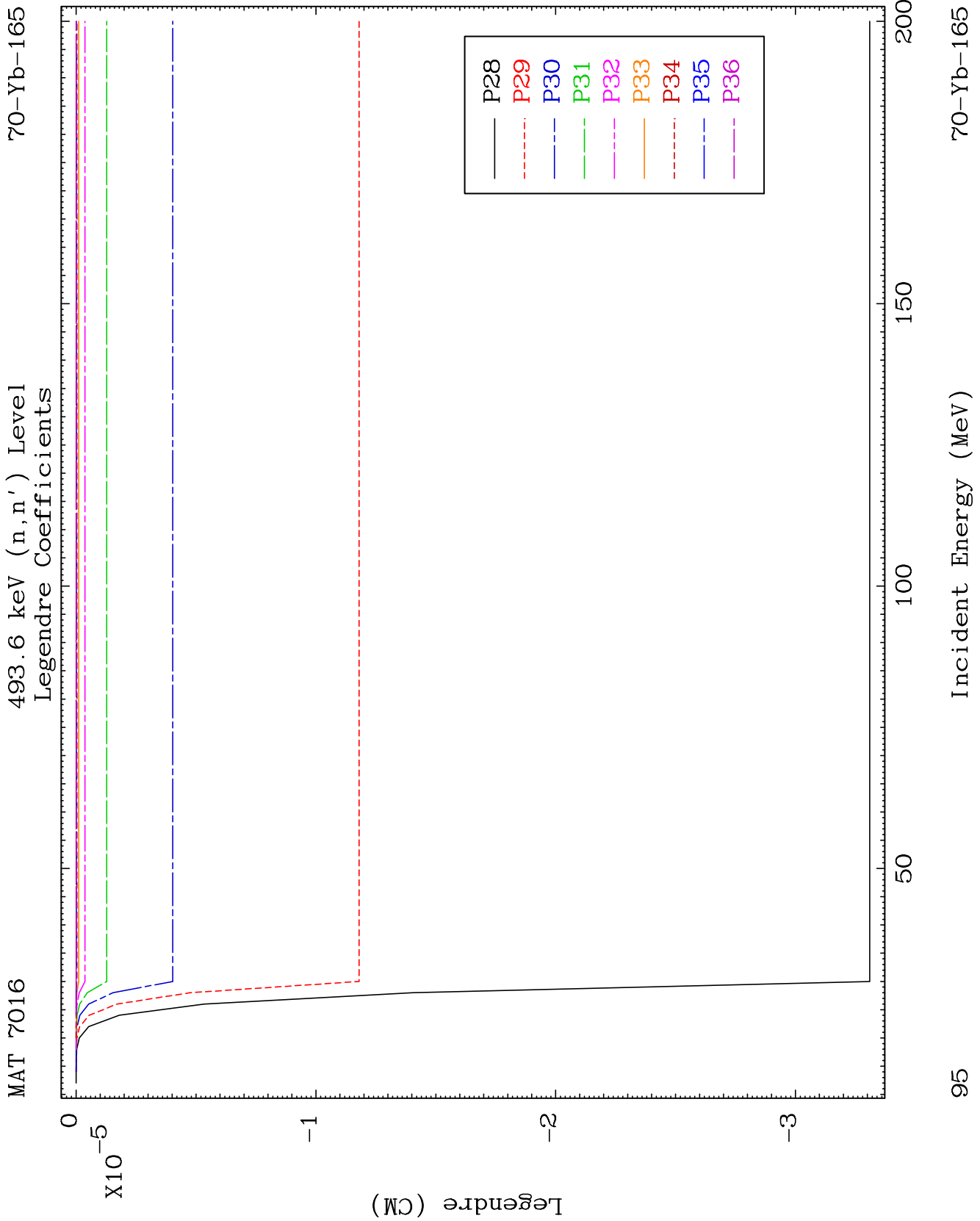








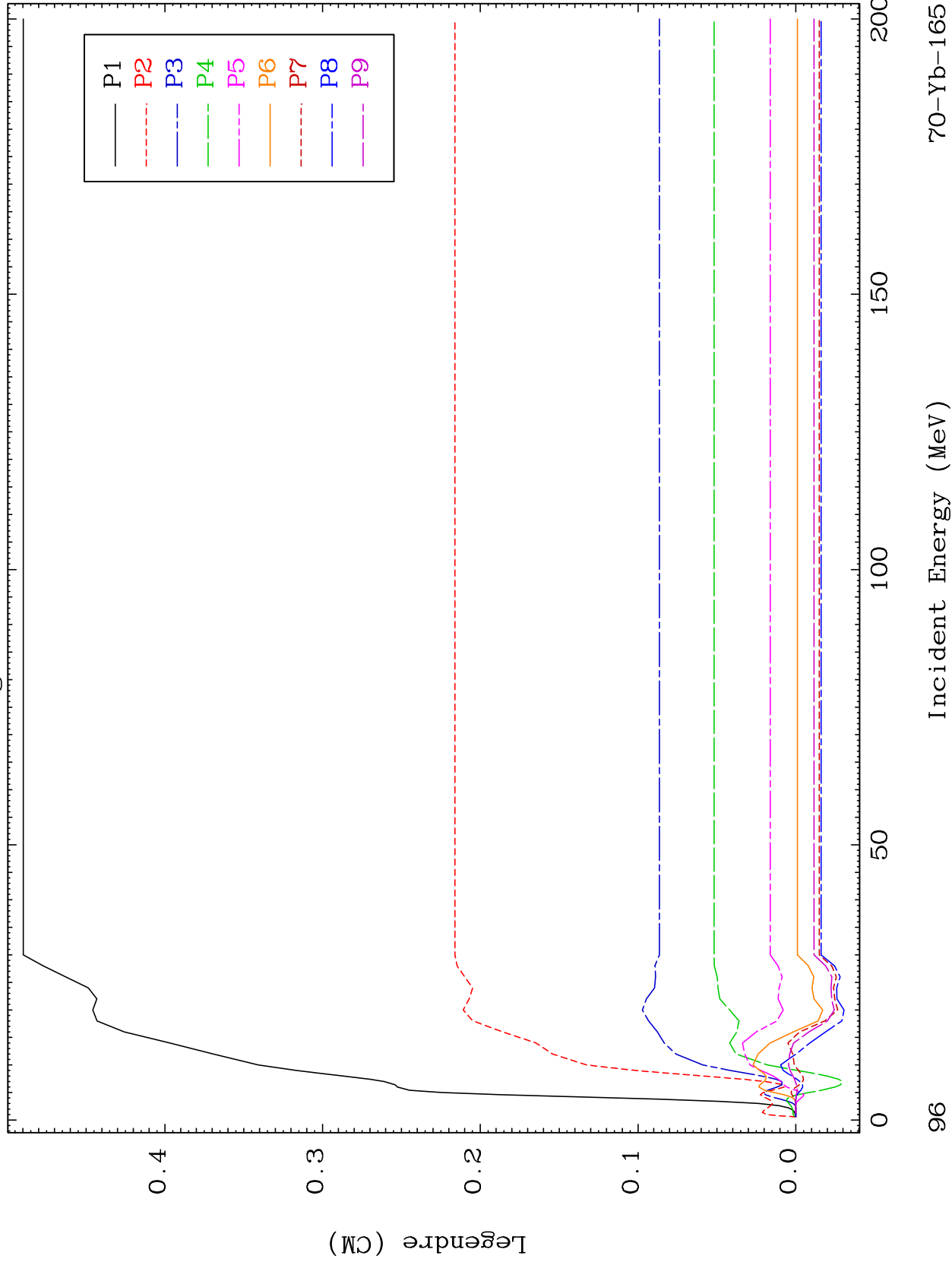




MAT 7016

533.1 keV (n,n') Level
Legendre Coefficients

70-Yb-165



96

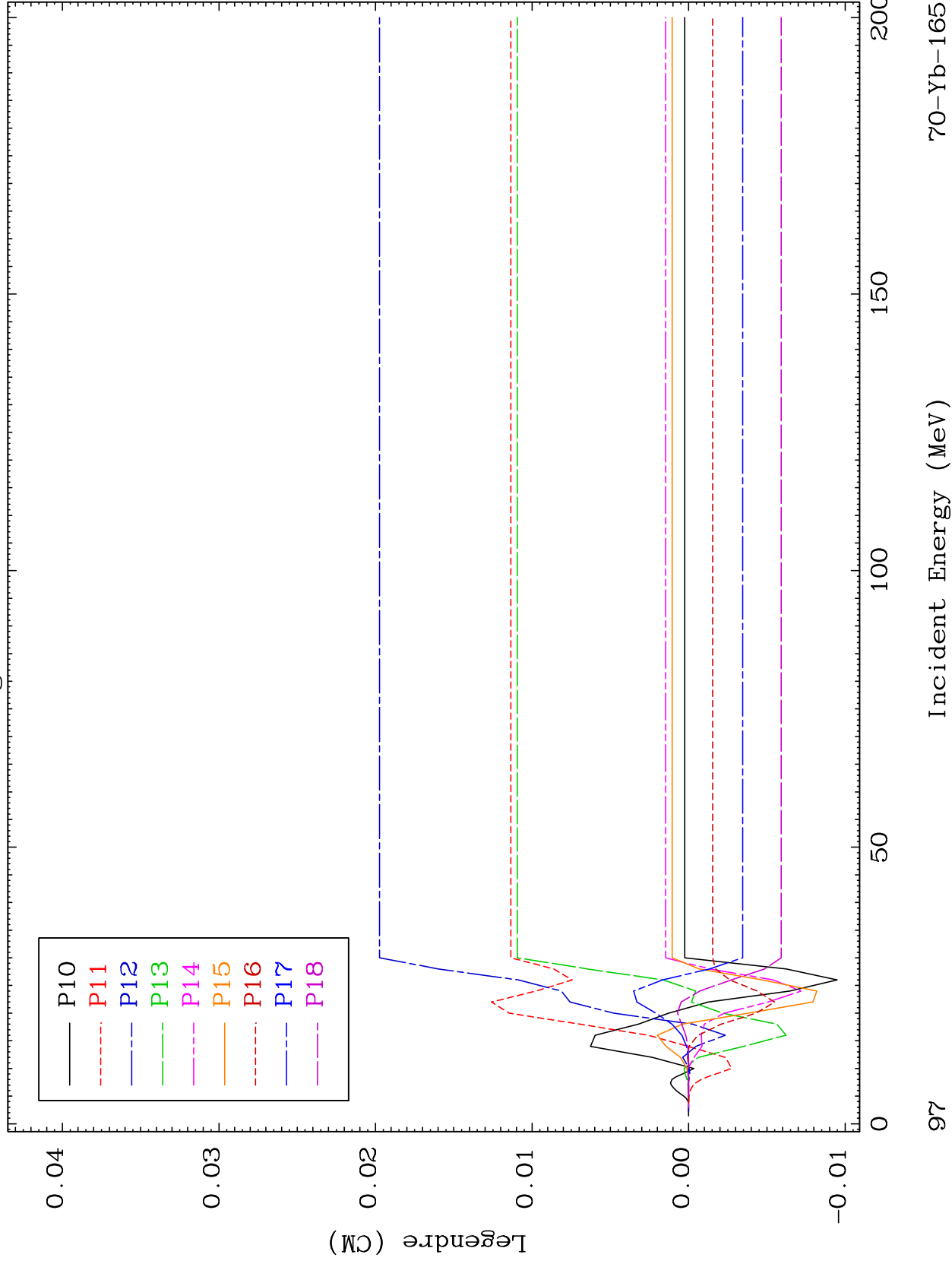
Incident Energy (MeV)

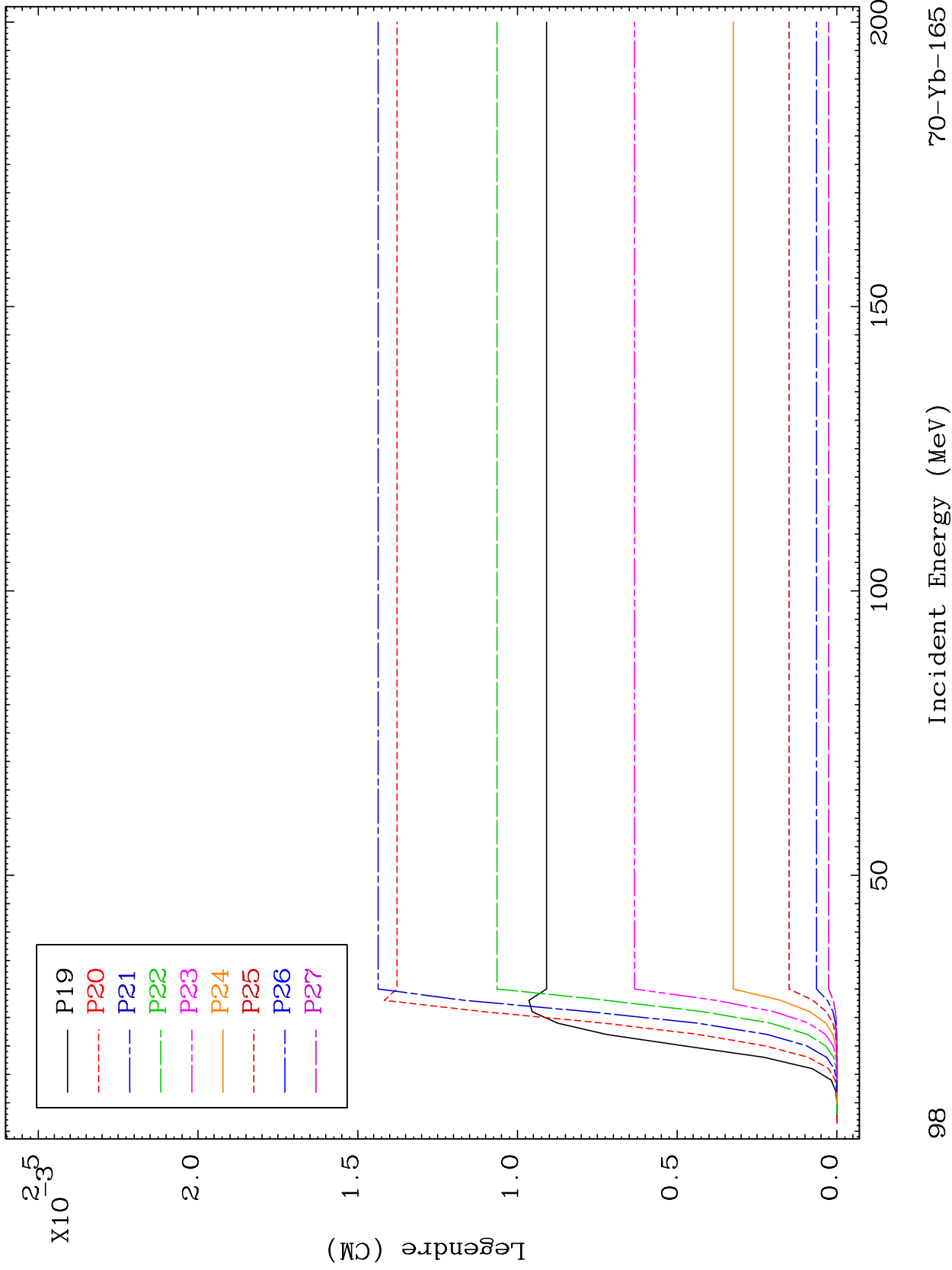
70-Yb-165

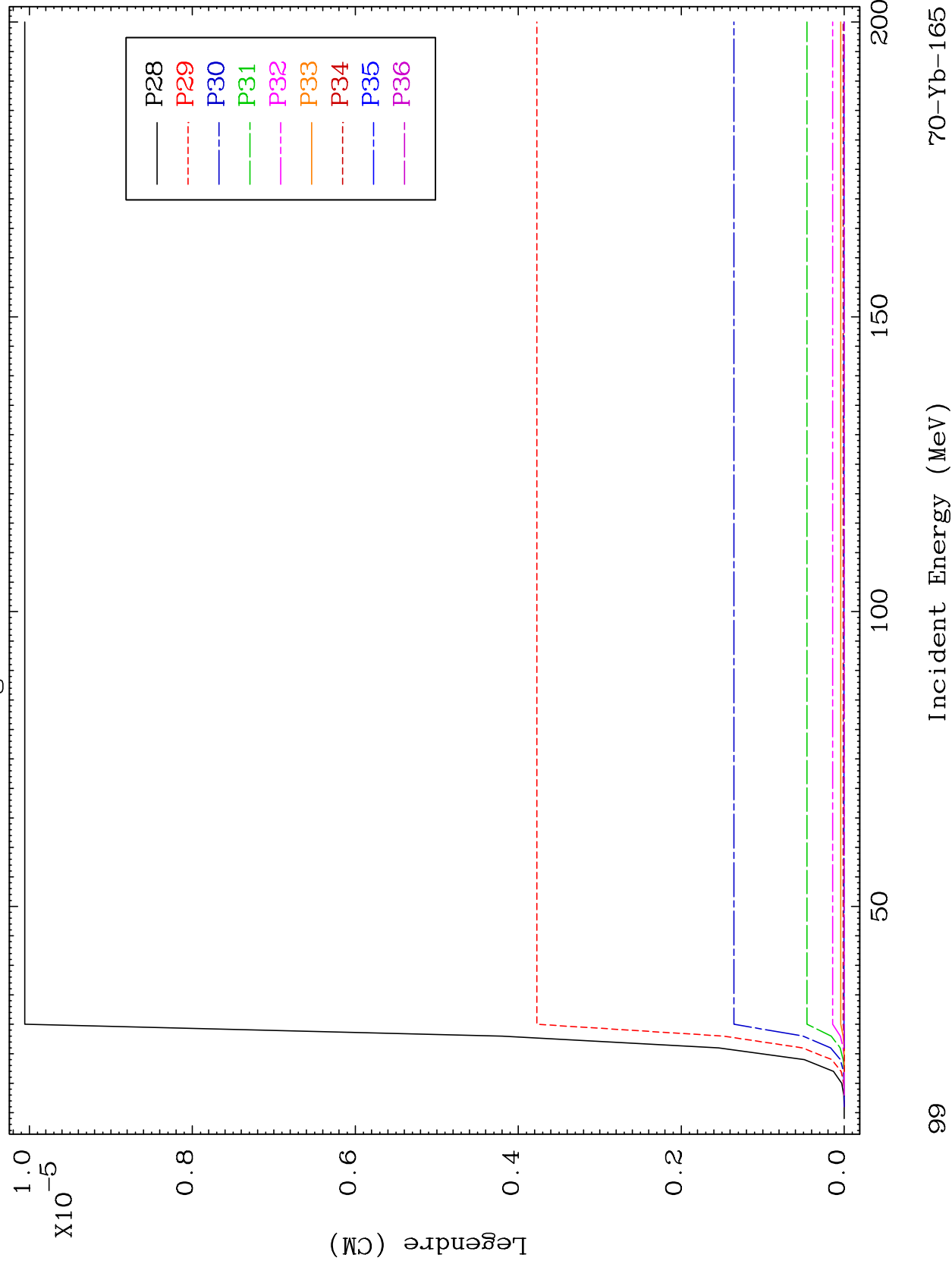
MAT 7016

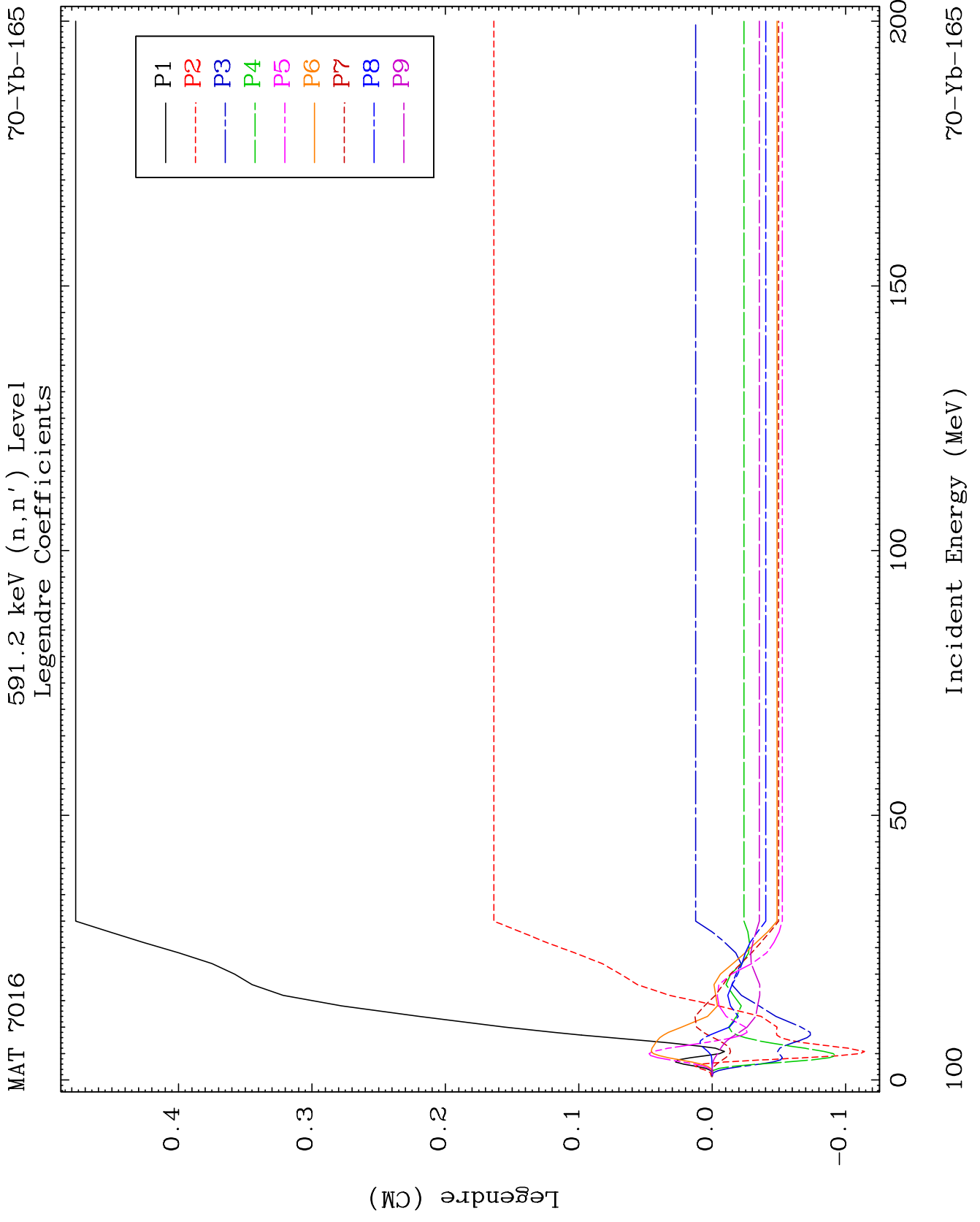
533.1 keV (n,n') Level
Legendre Coefficients

70-Yb-165





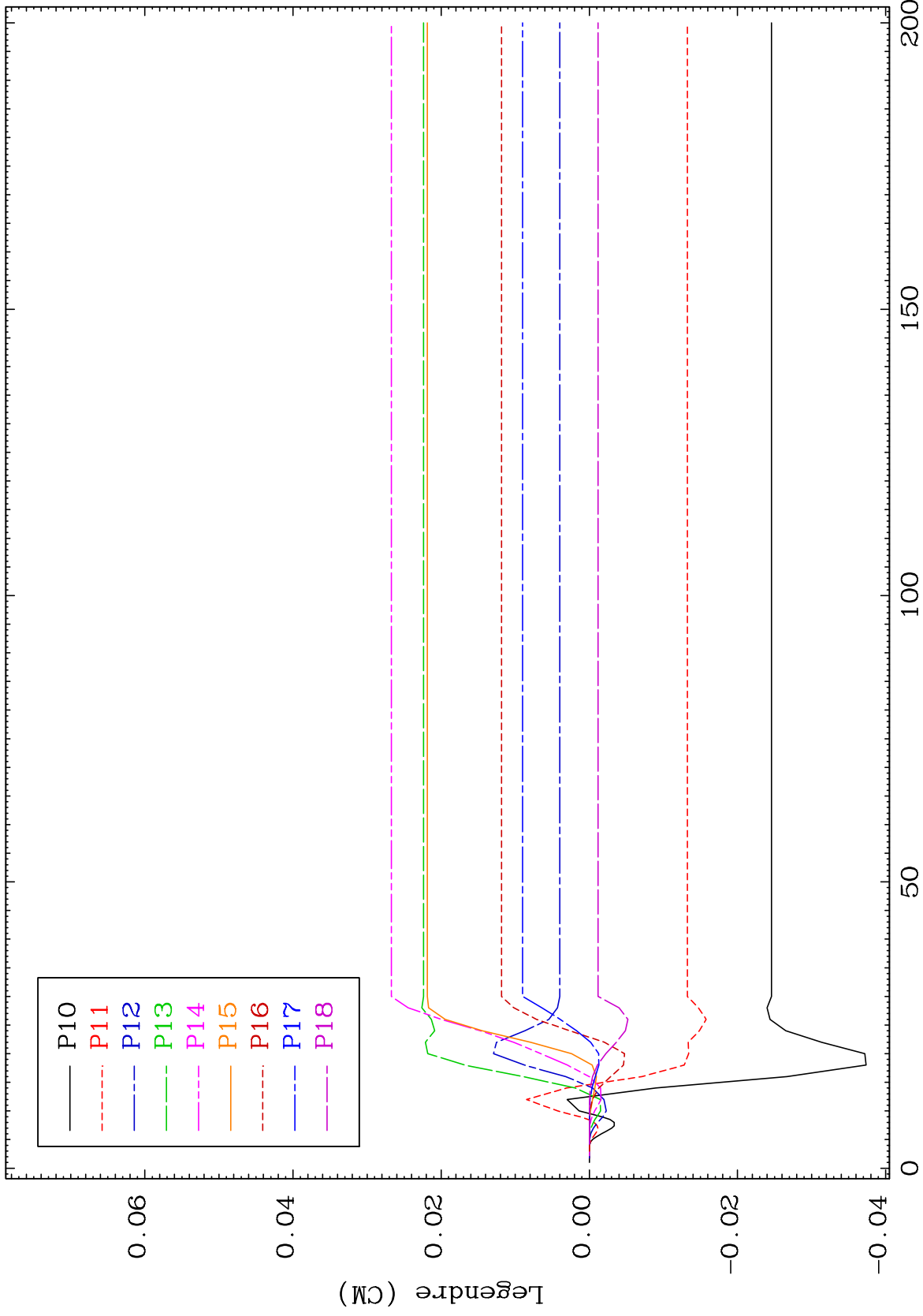




MAT 7016

591.2 keV (n,n') Level
Legendre Coefficients

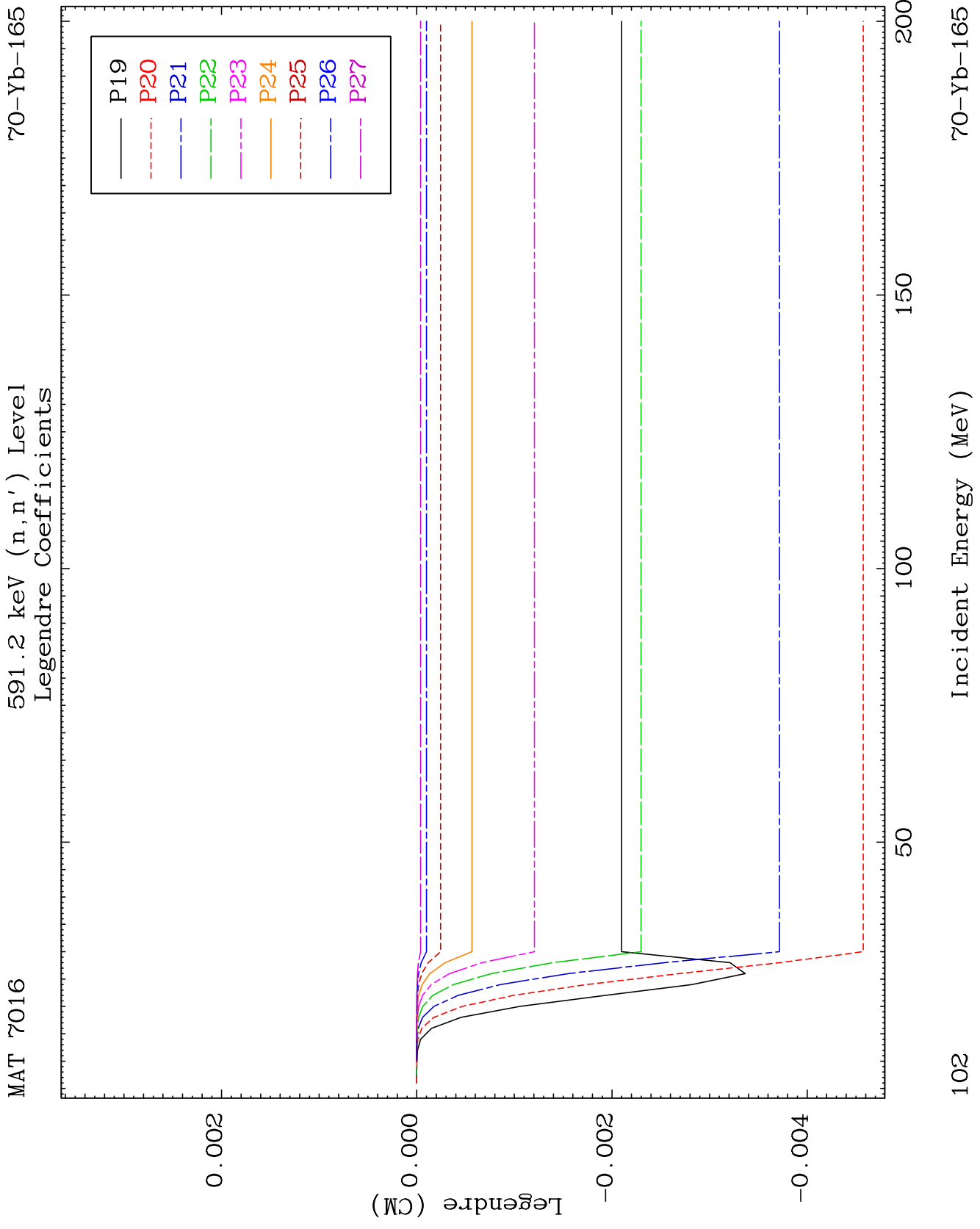
70-Yb-165

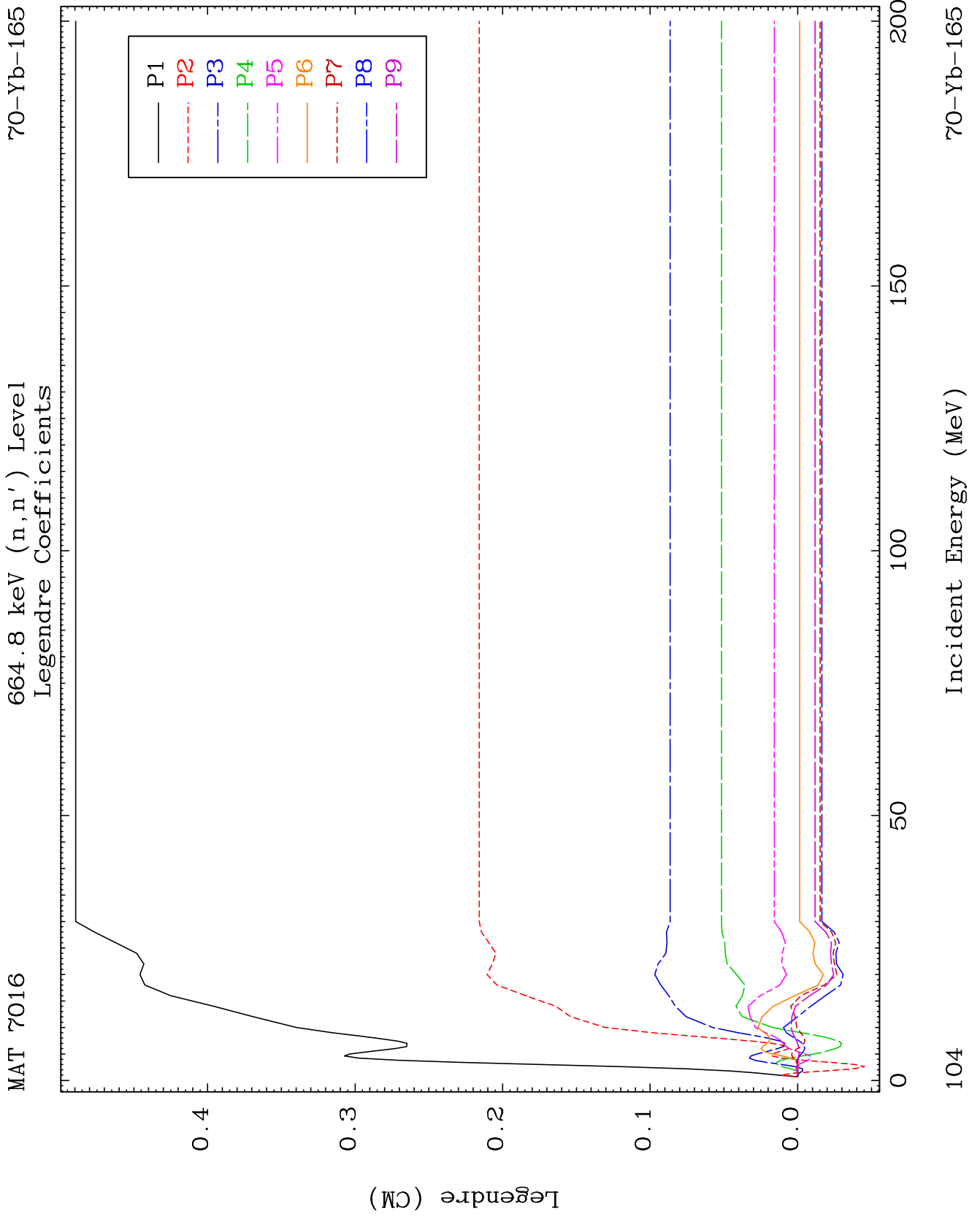


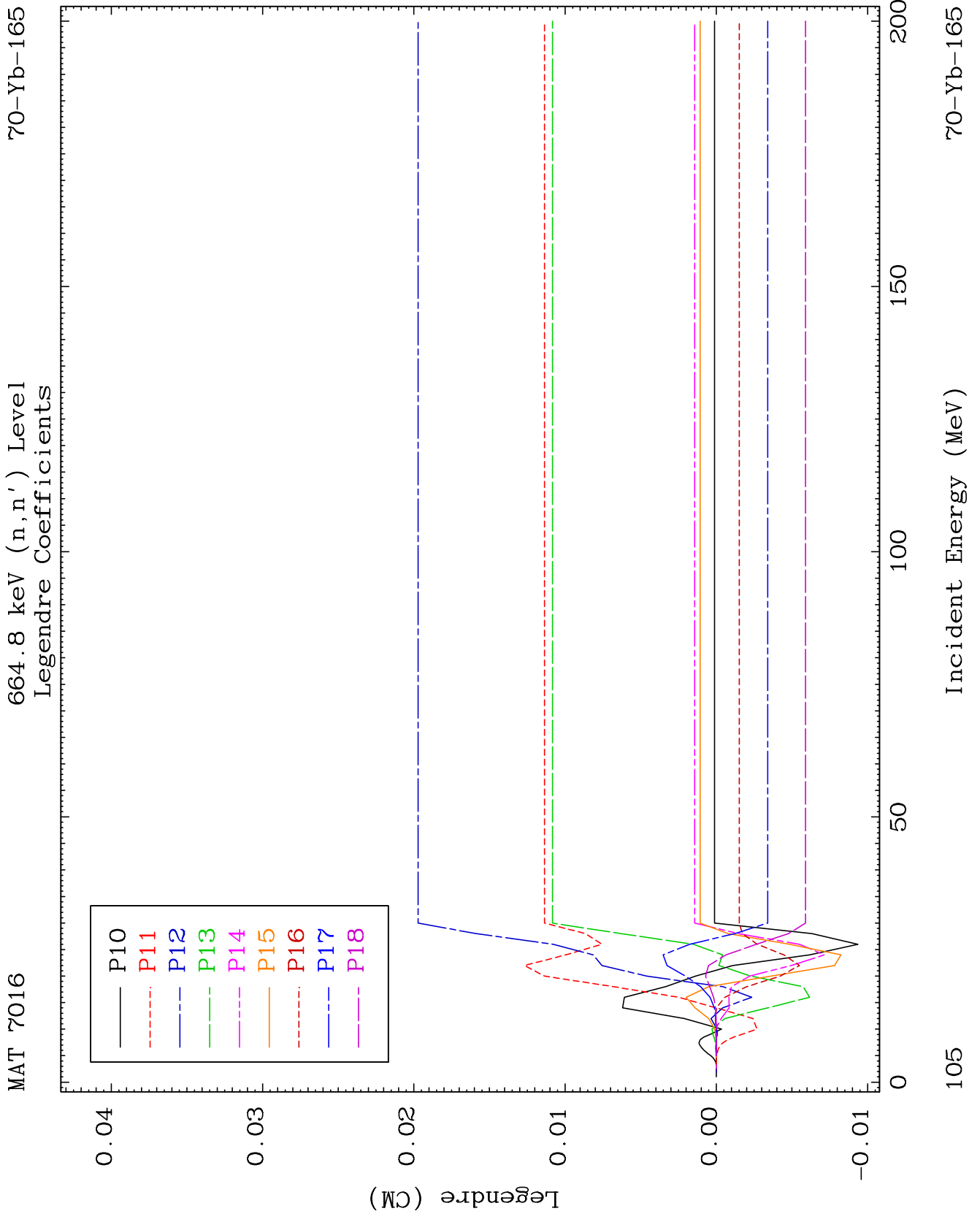
101

Incident Energy (MeV)

70-Yb-165



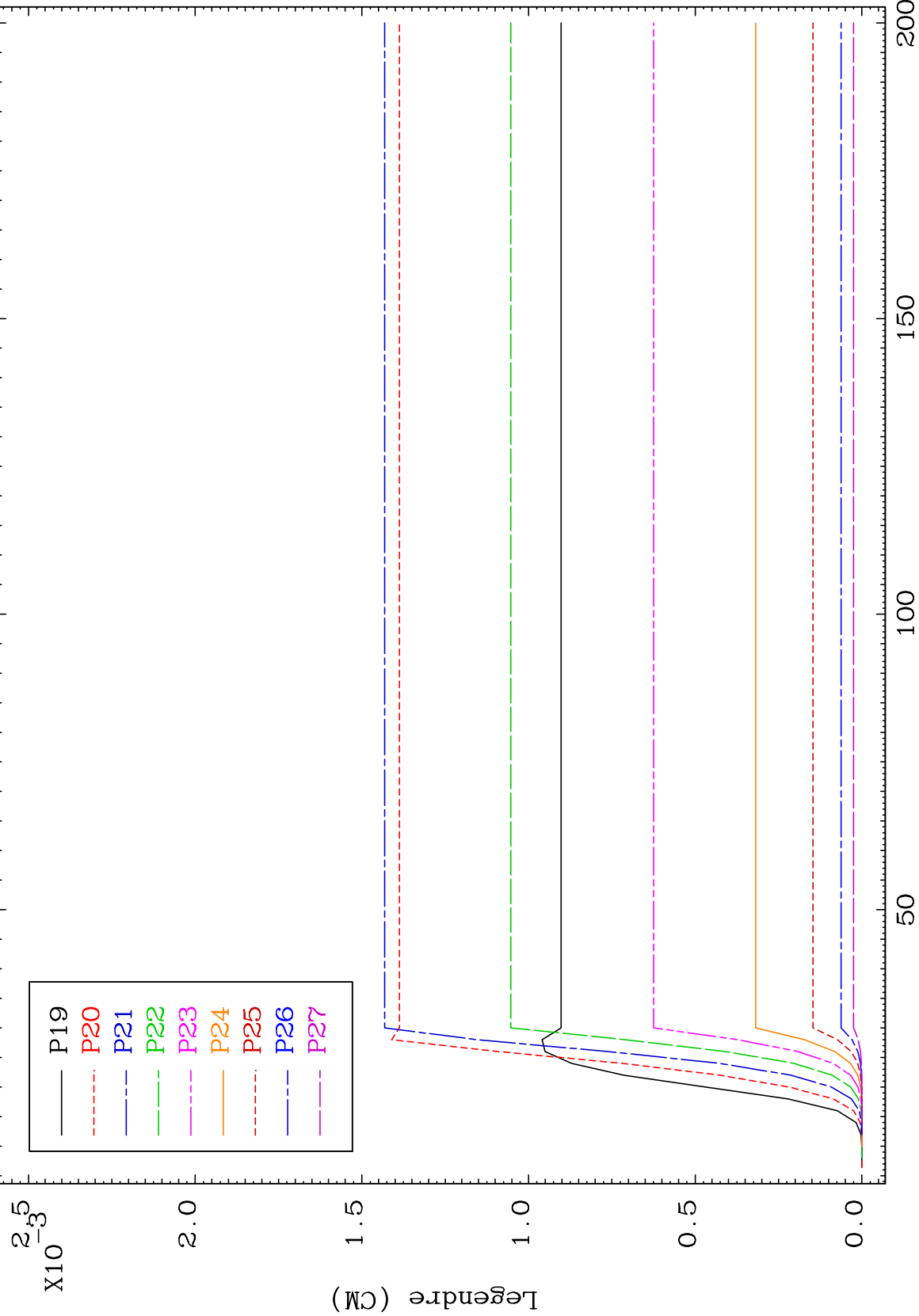




MAT 7016

664.8 keV (n, n') Level
Legendre Coefficients

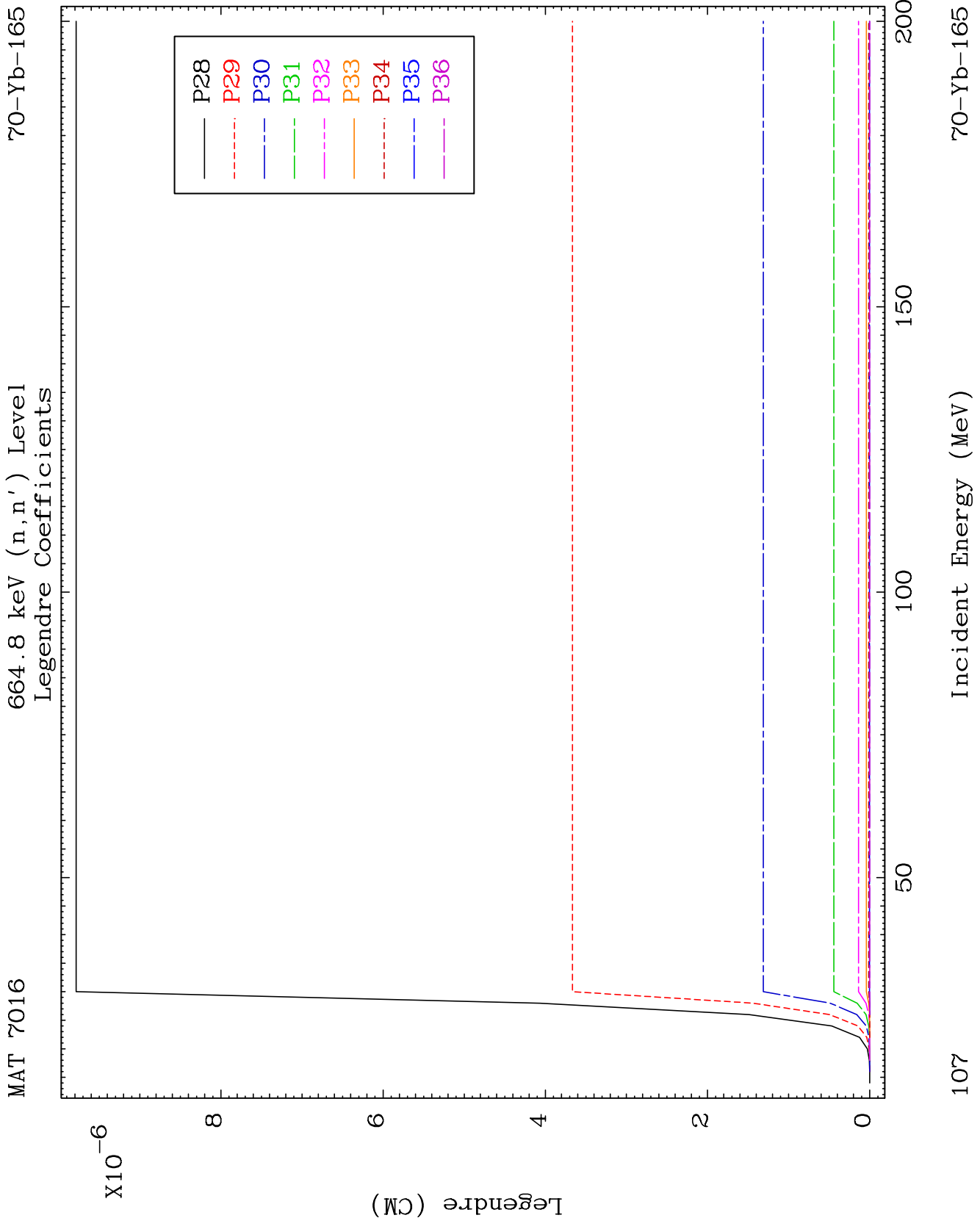
70-Yb-165

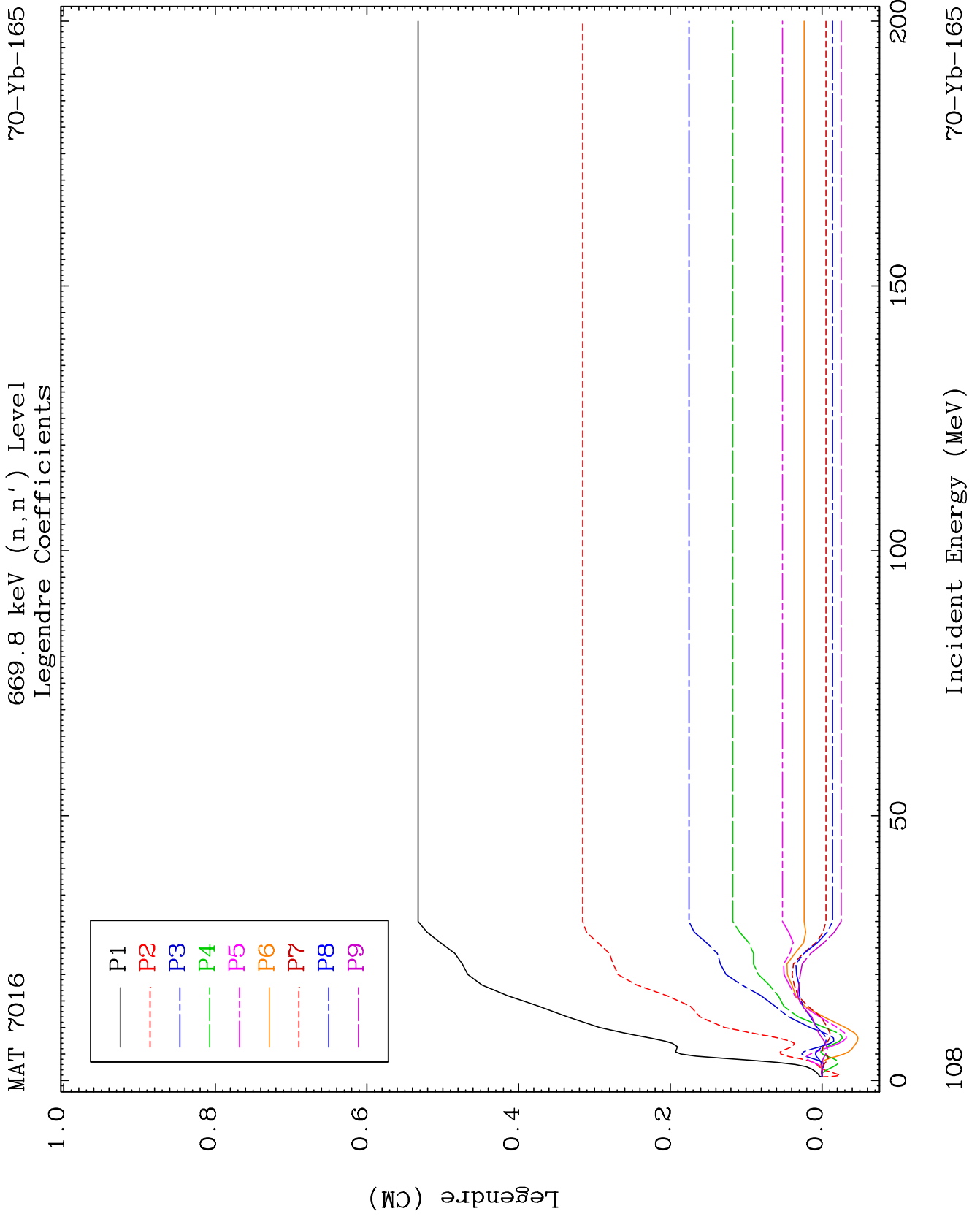


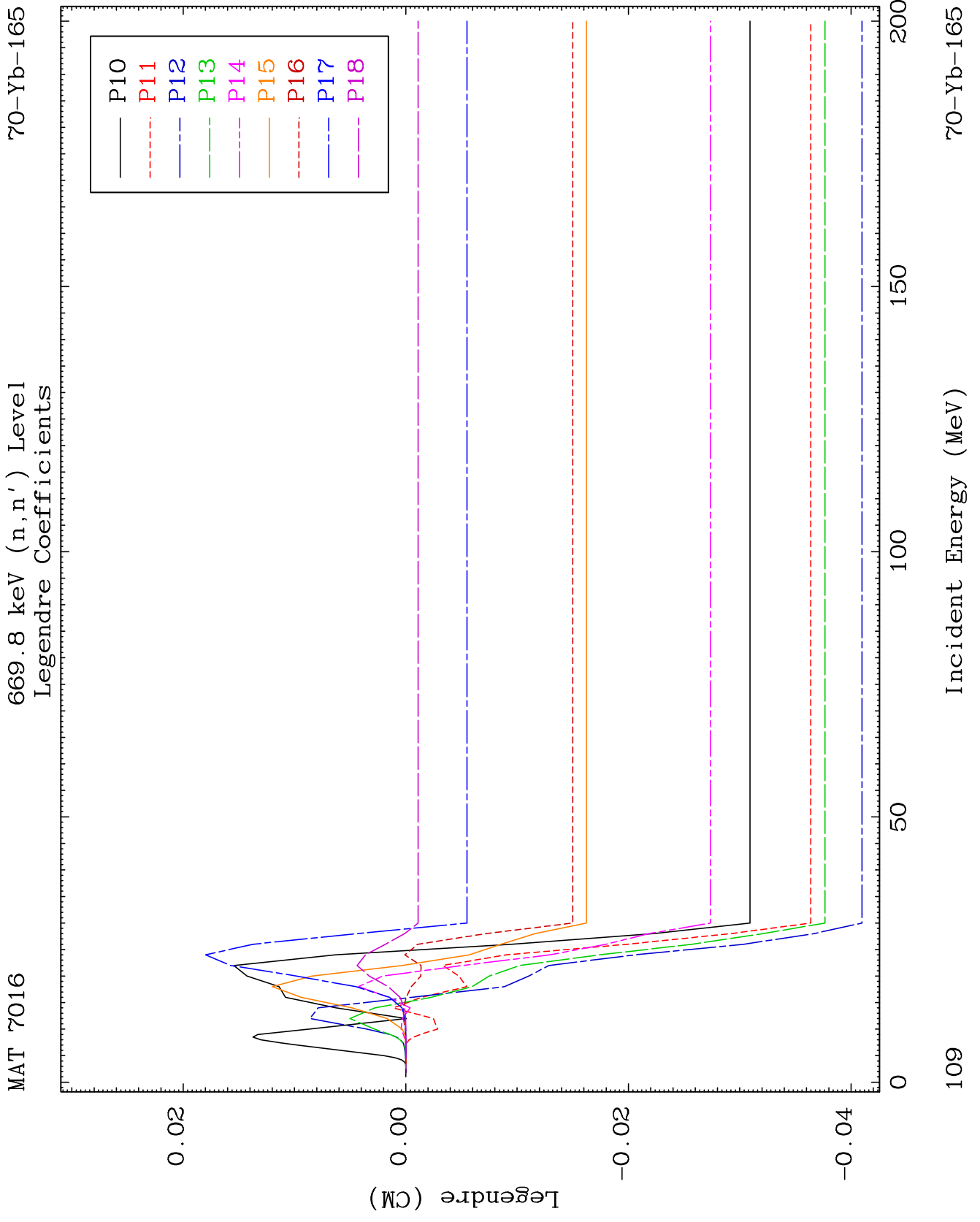
106

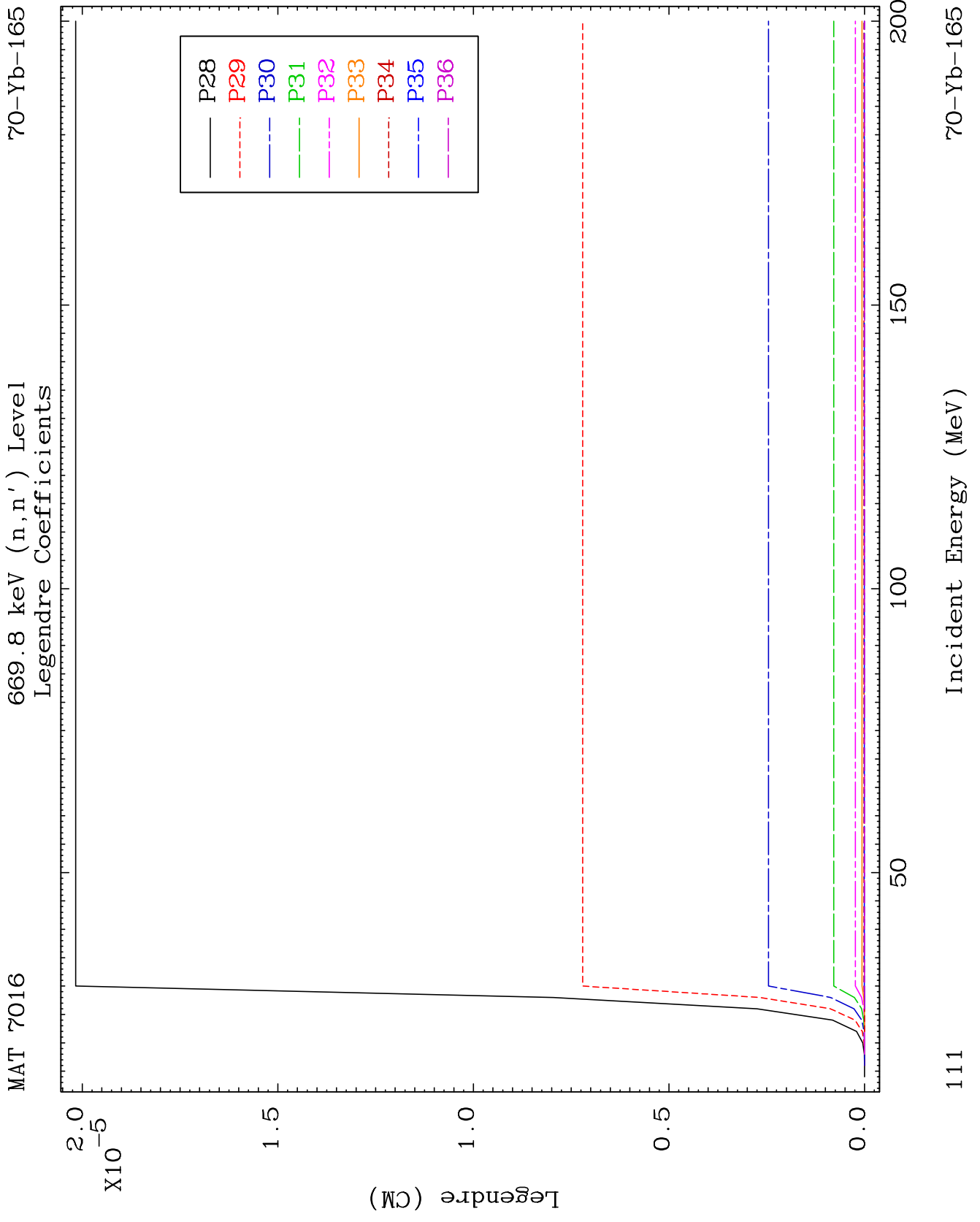
Incident Energy (MeV)

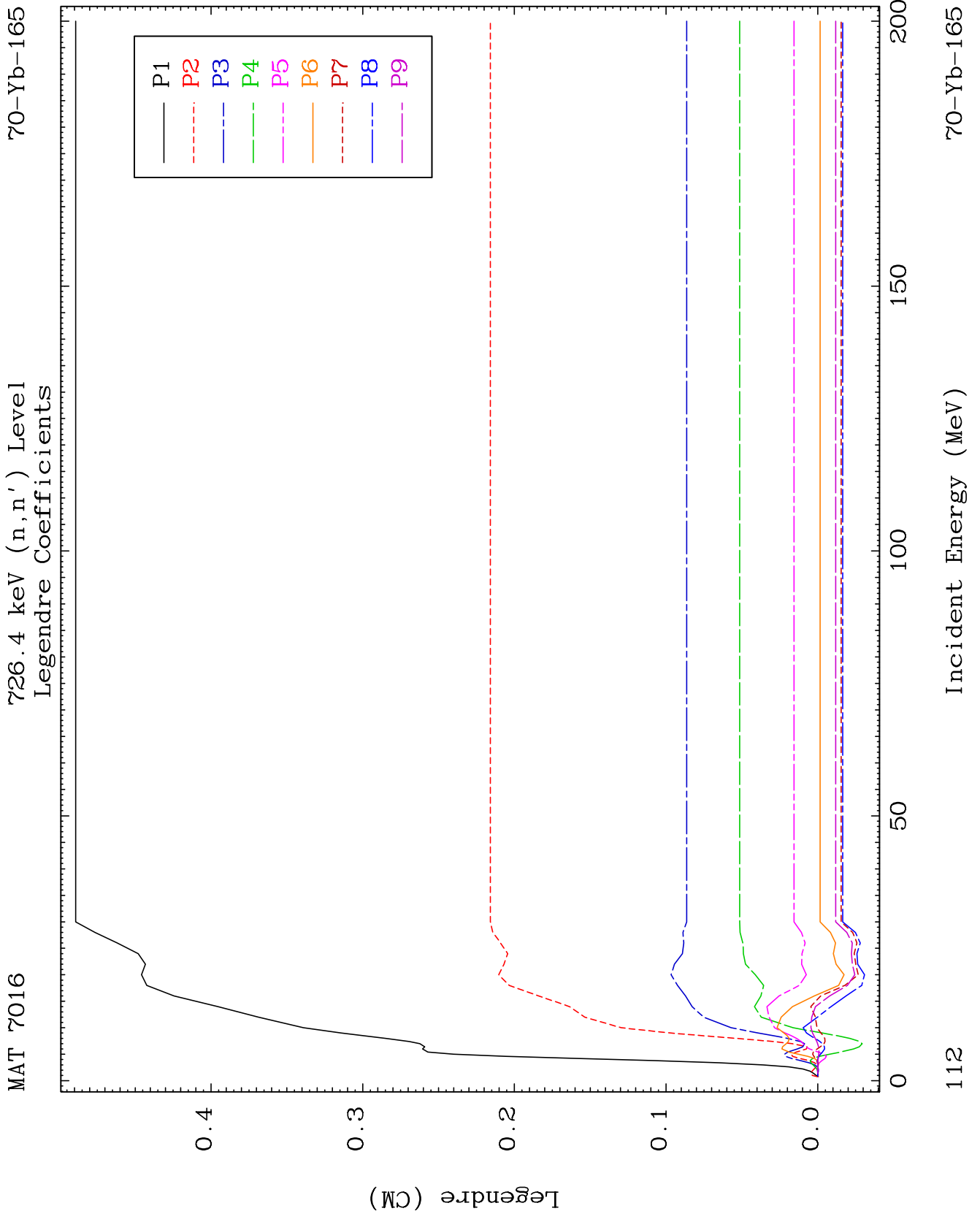
70-Yb-165







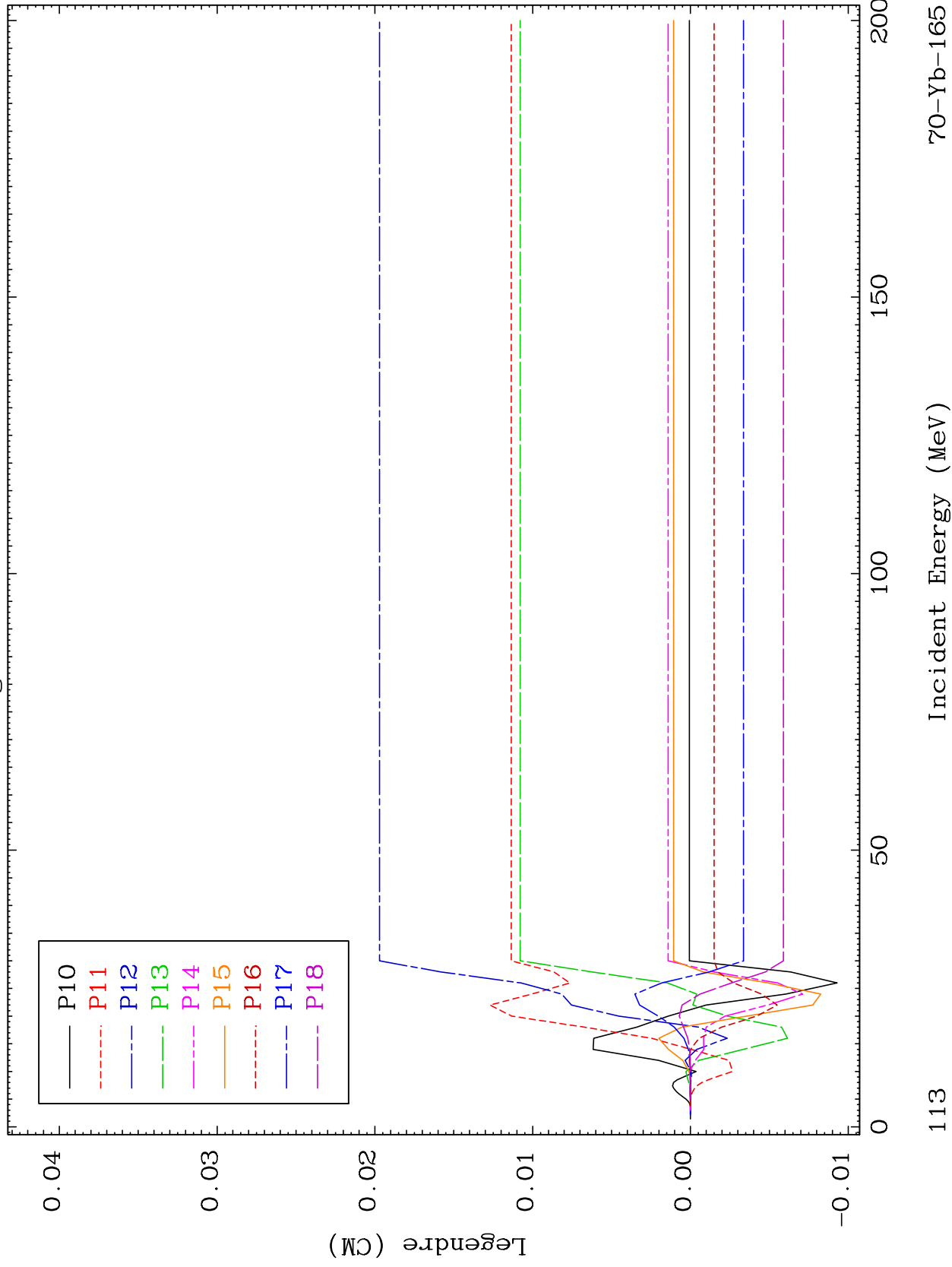




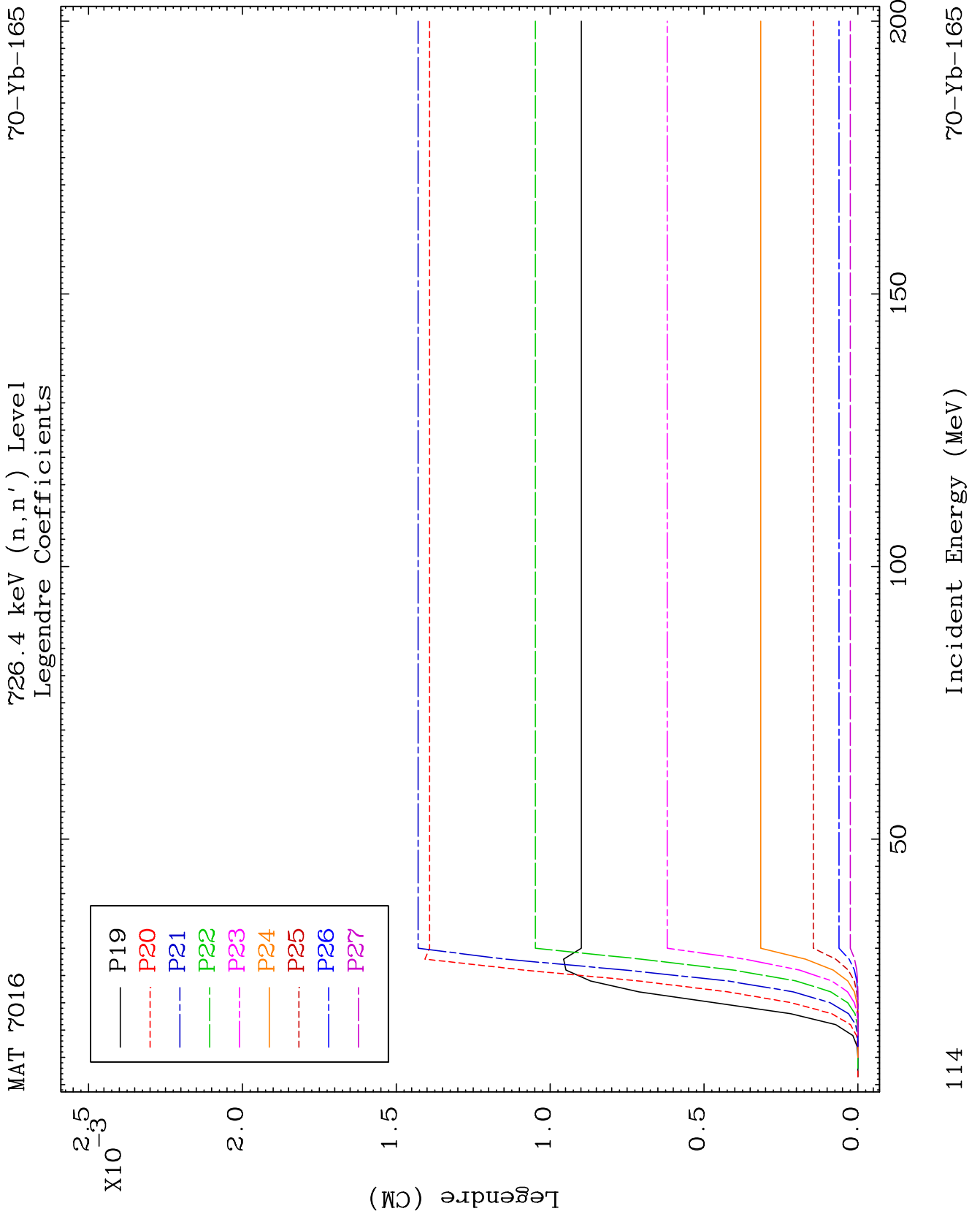
MAT 7016

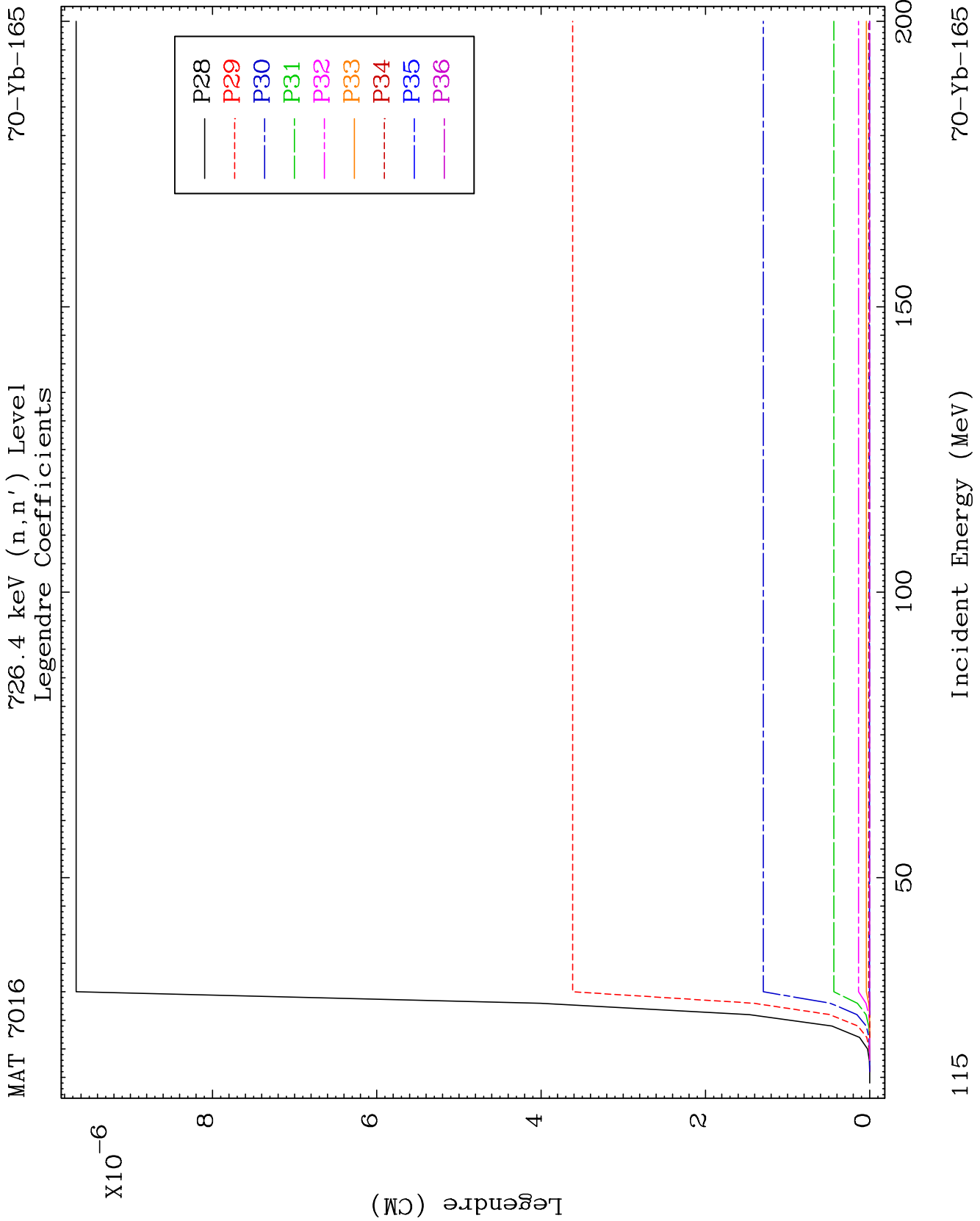
726.4 keV (n,n') Level
Legendre Coefficients

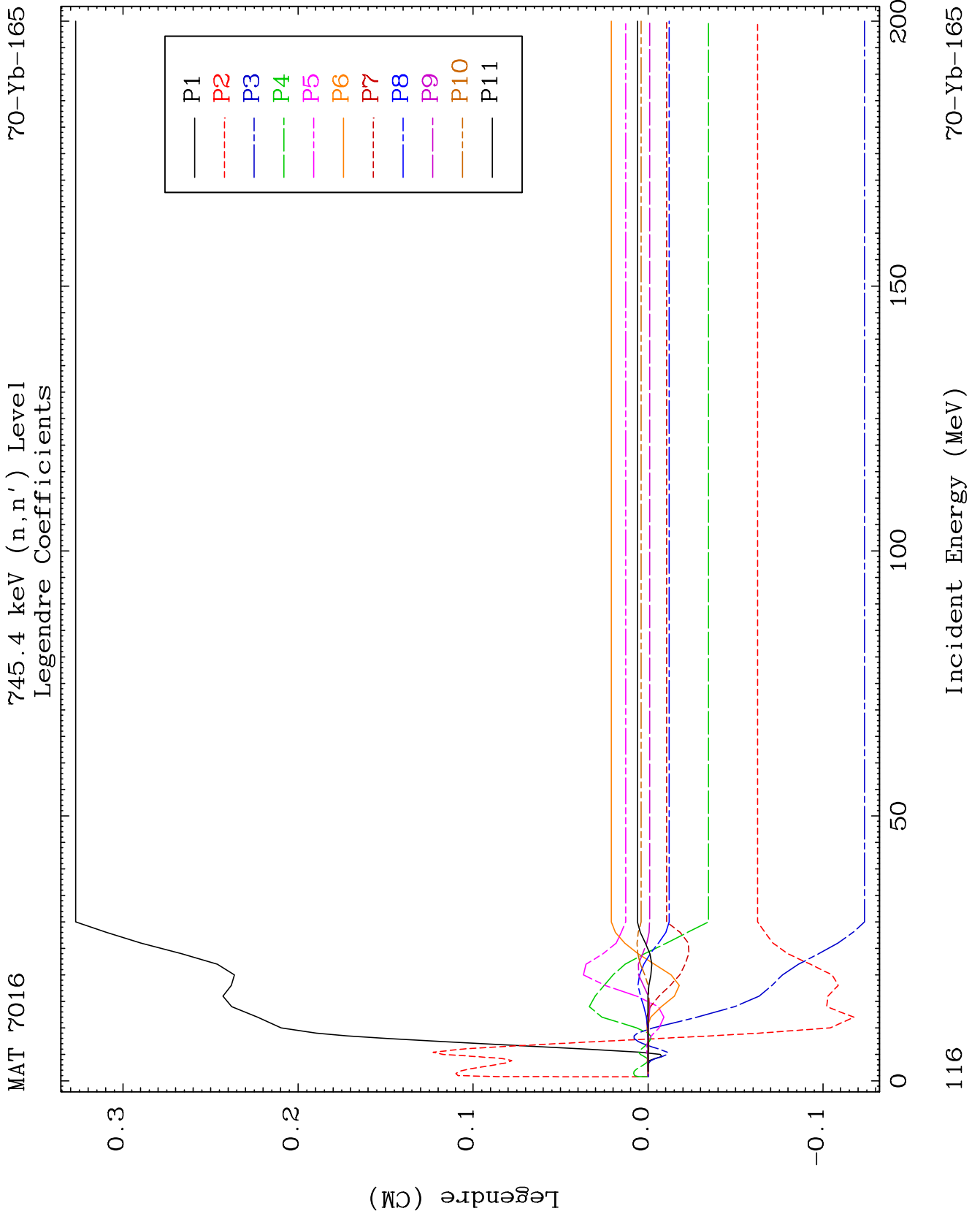
70-Yb-165



113



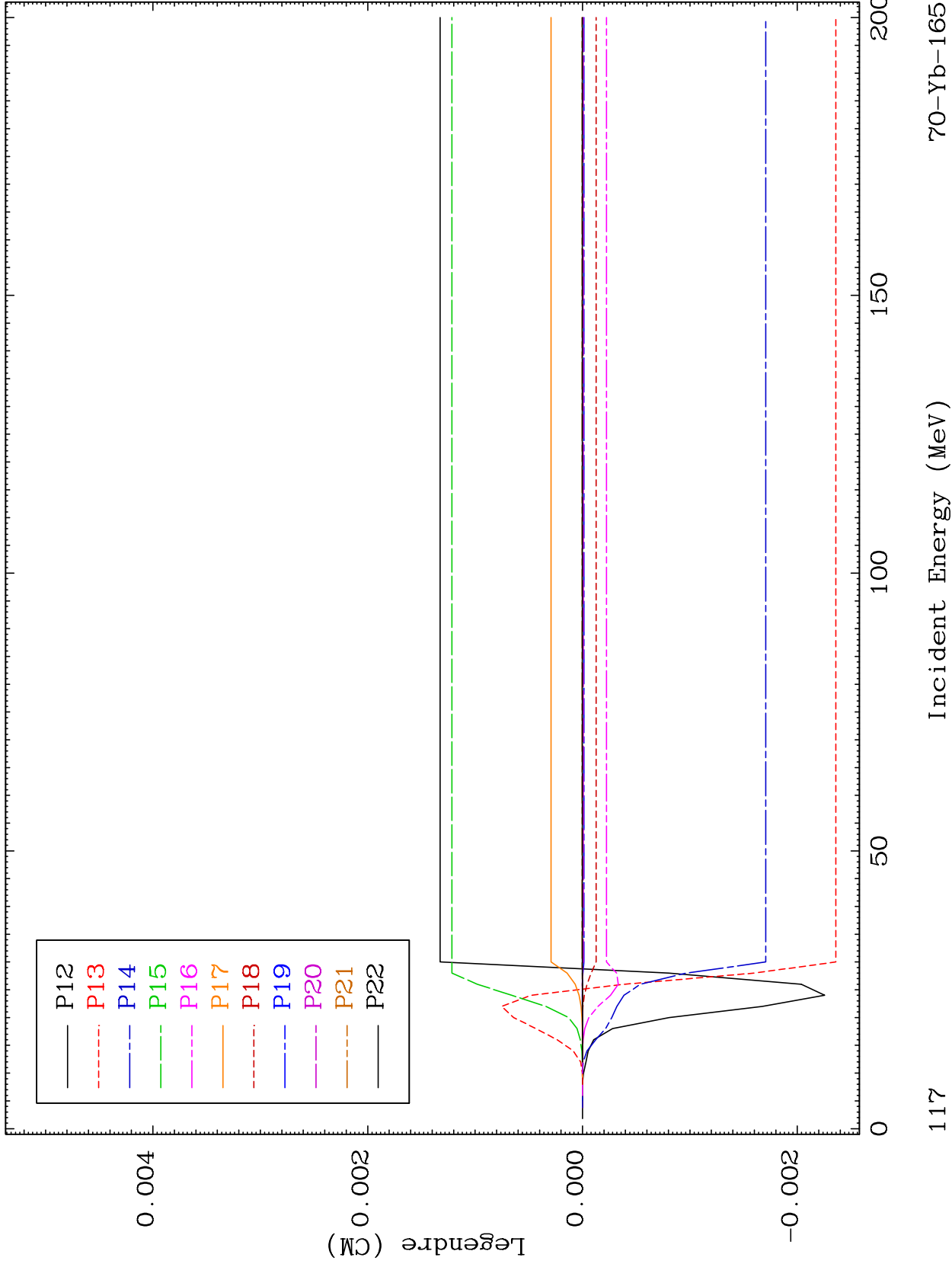




MAT 7016

745.4 keV (n, n') Level
Legendre Coefficients

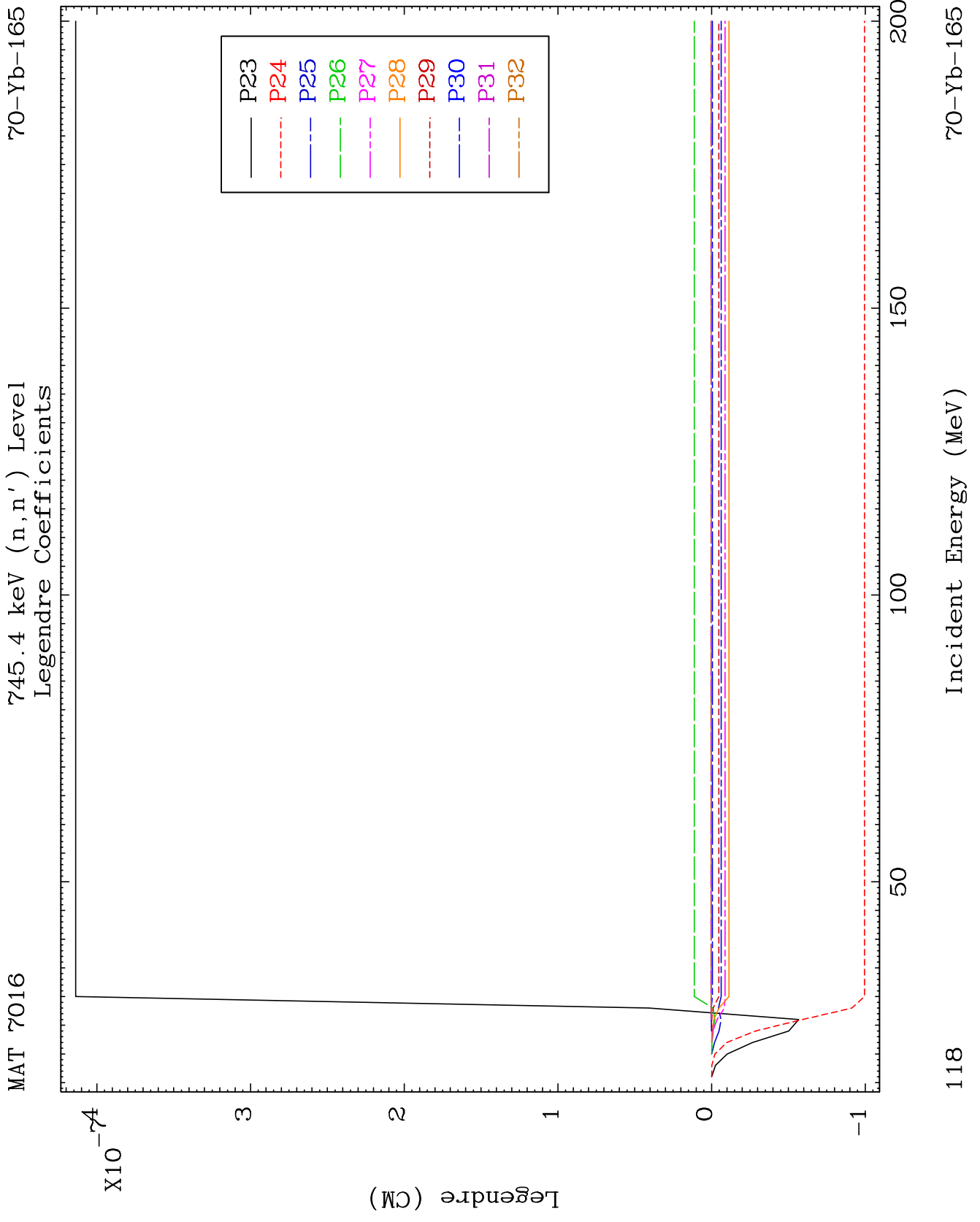
70-Yb-165

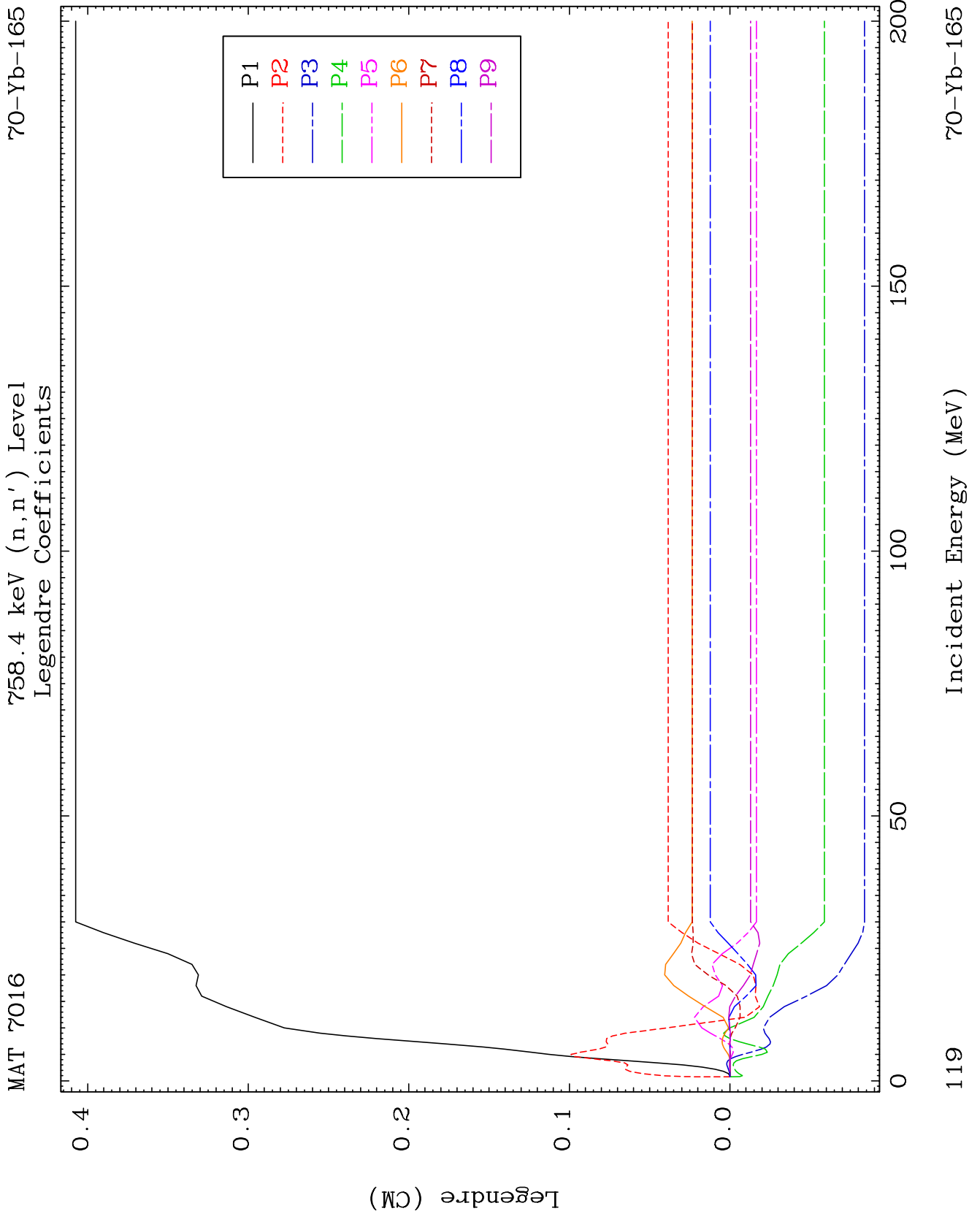


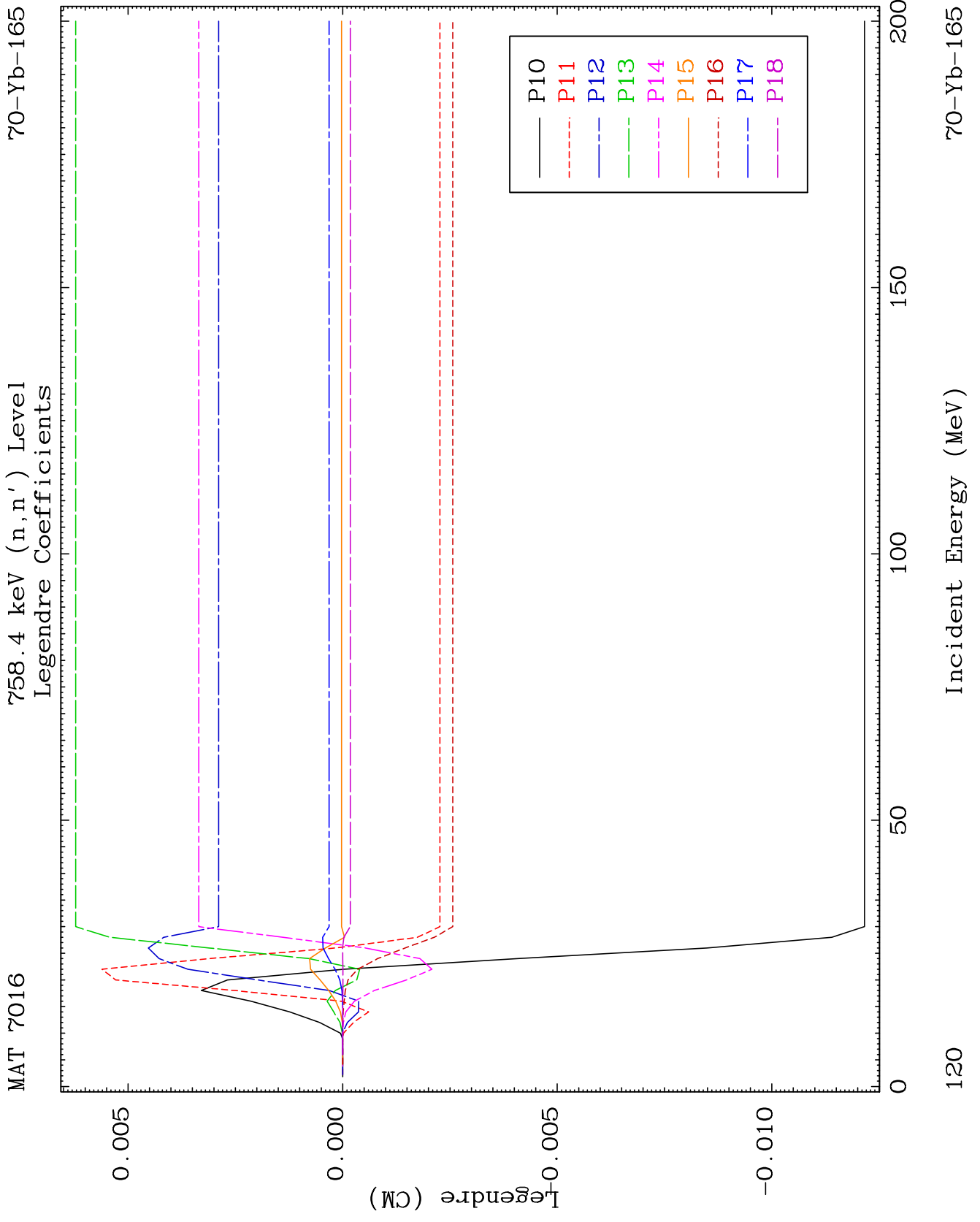
70-Yb-165

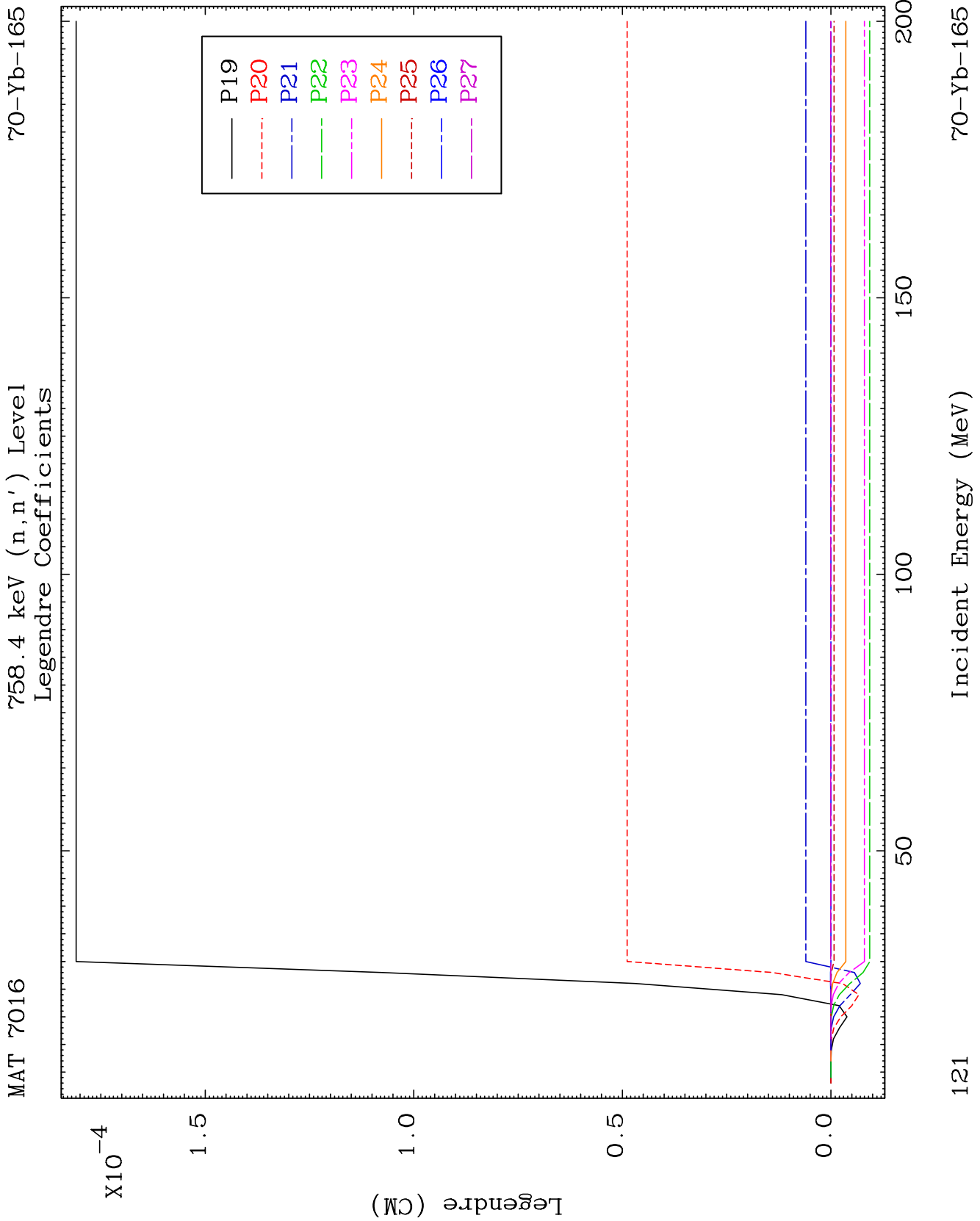
Incident Energy (MeV)

117





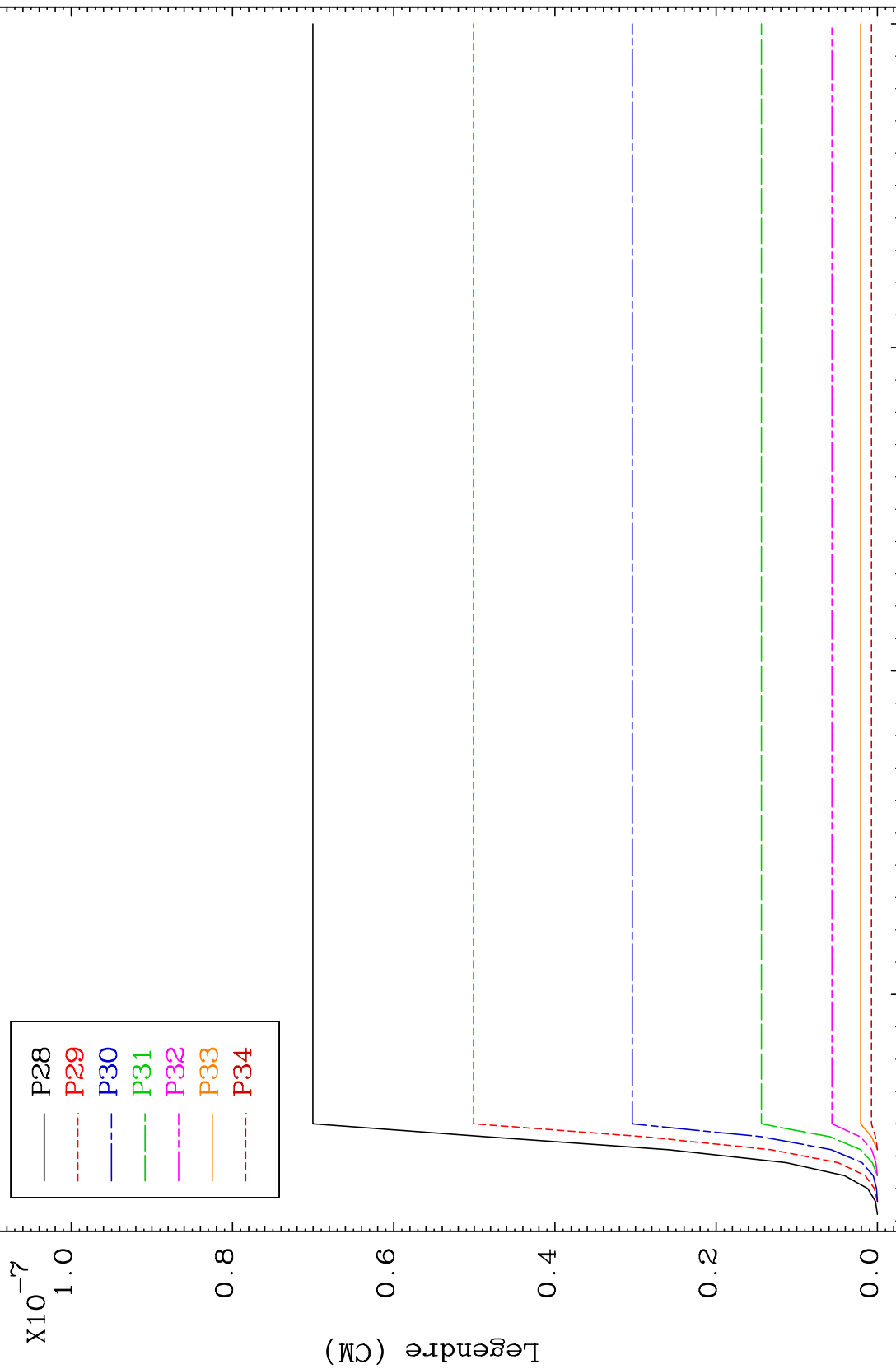
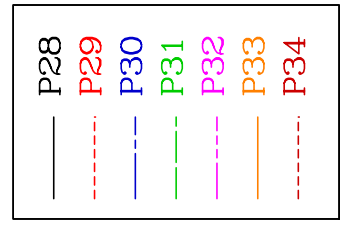




MAT 7016

758.4 keV (n,n') Level
Legendre Coefficients

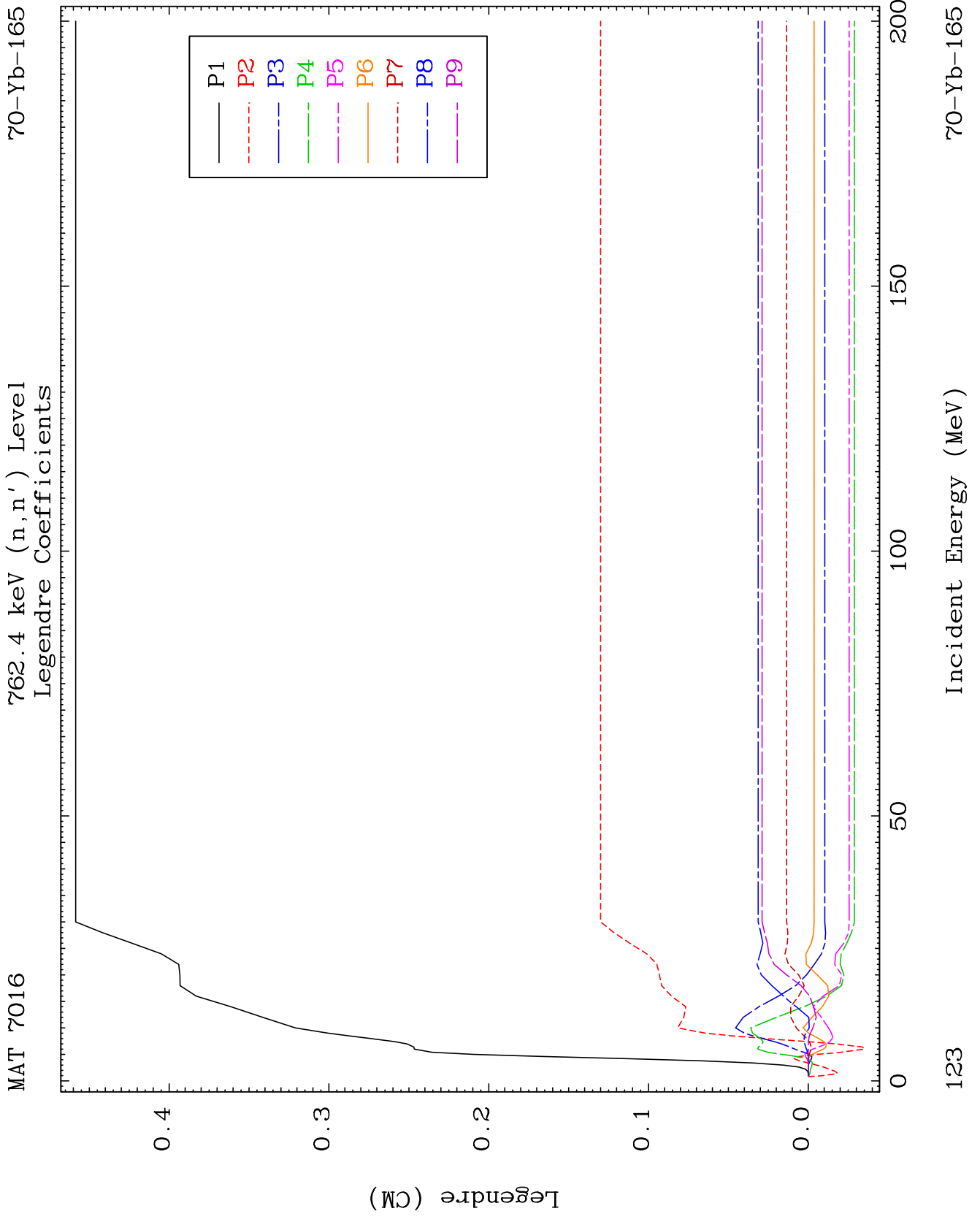
70-Yb-165

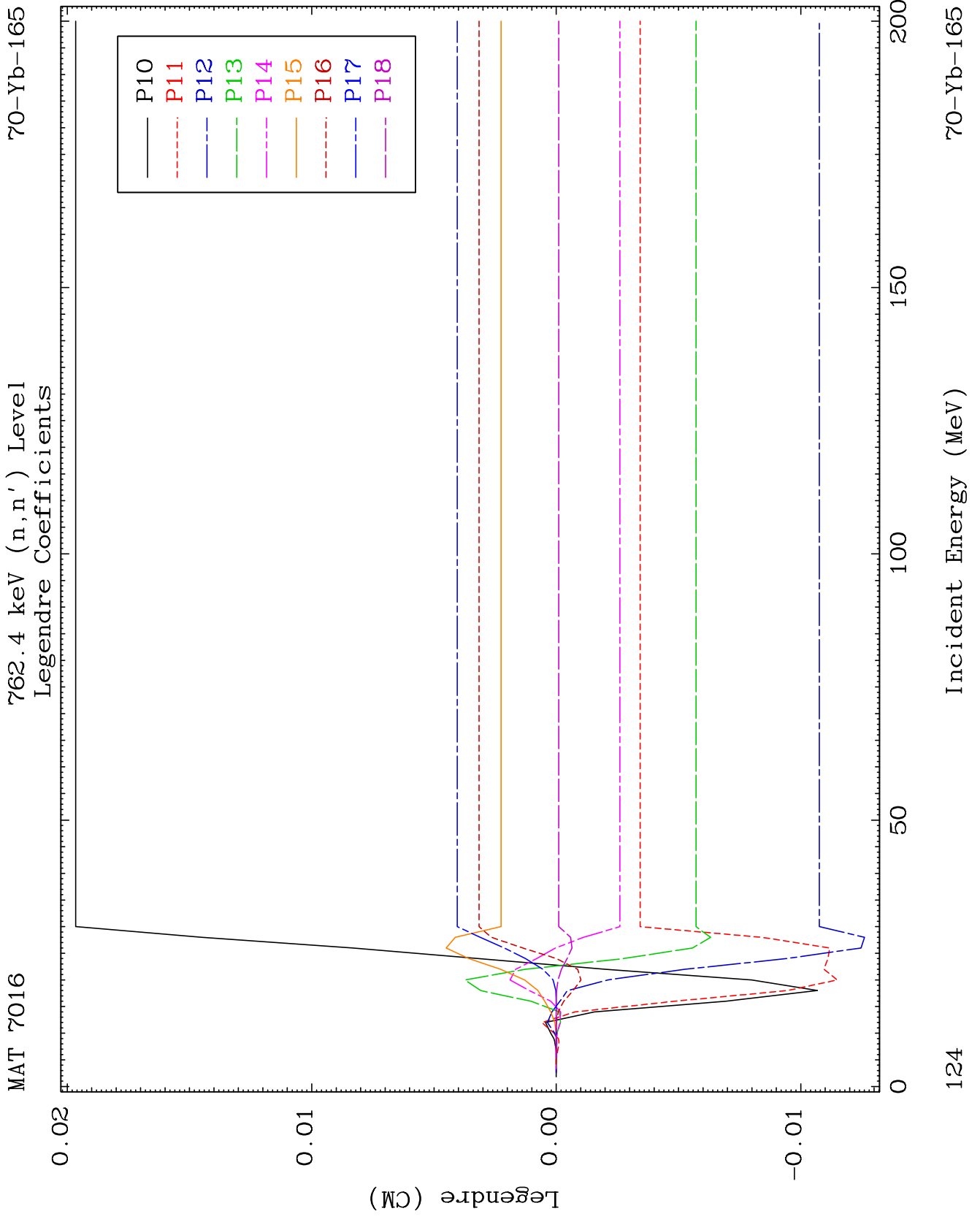


122

Incident Energy (MeV)

70-Yb-165

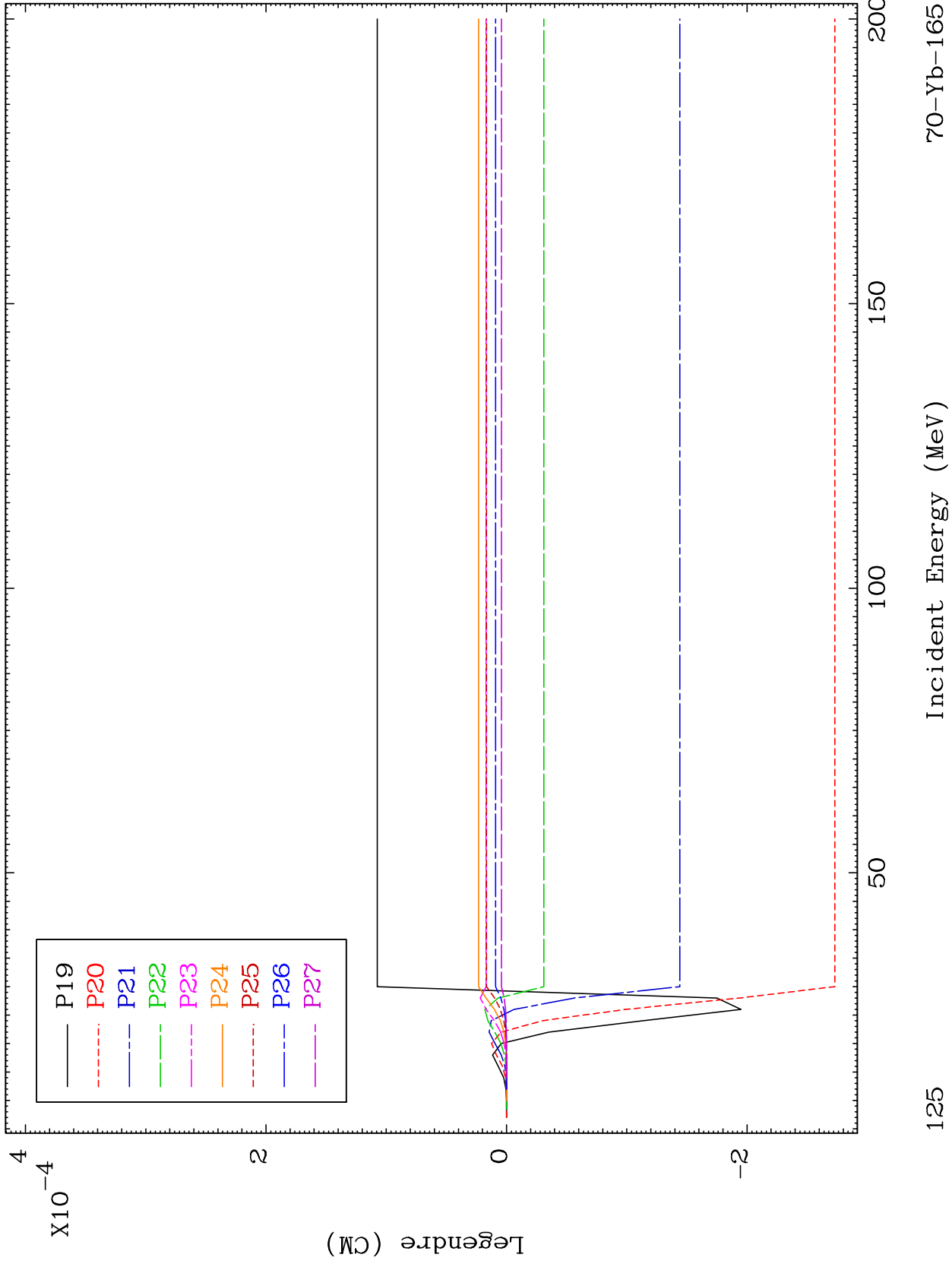




MAT 7016

762.4 keV (n,n') Level
Legendre Coefficients

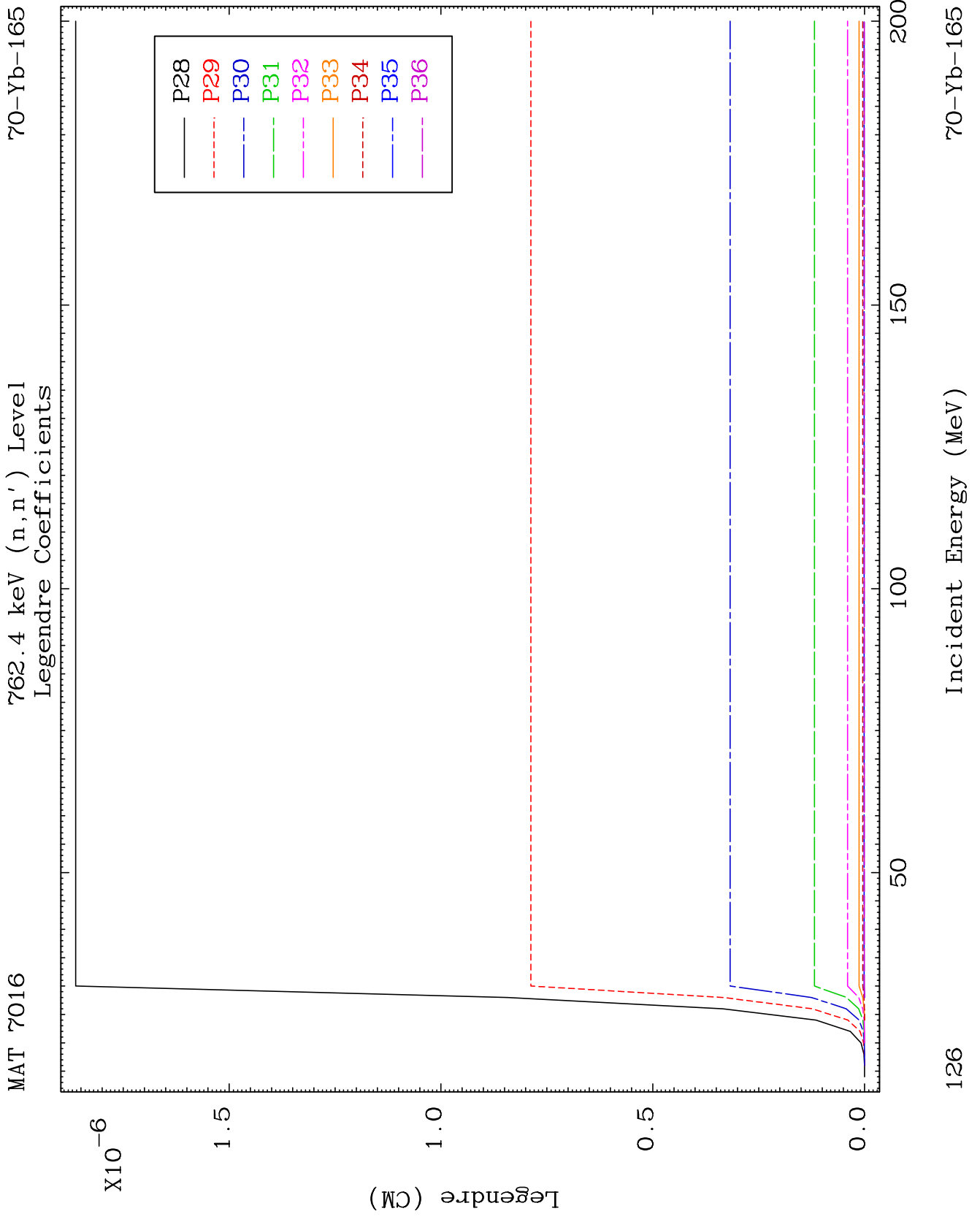
70-Yb-165

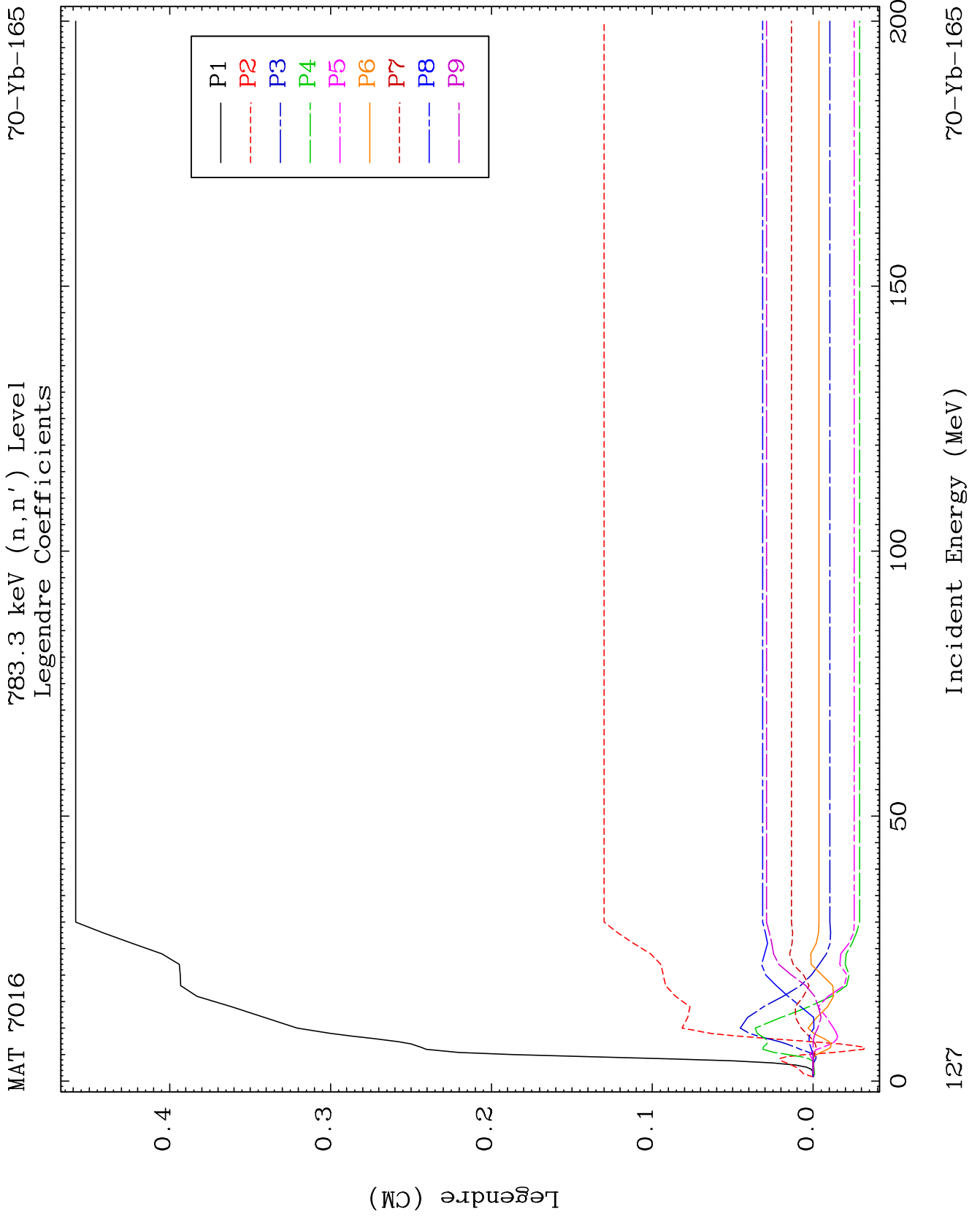


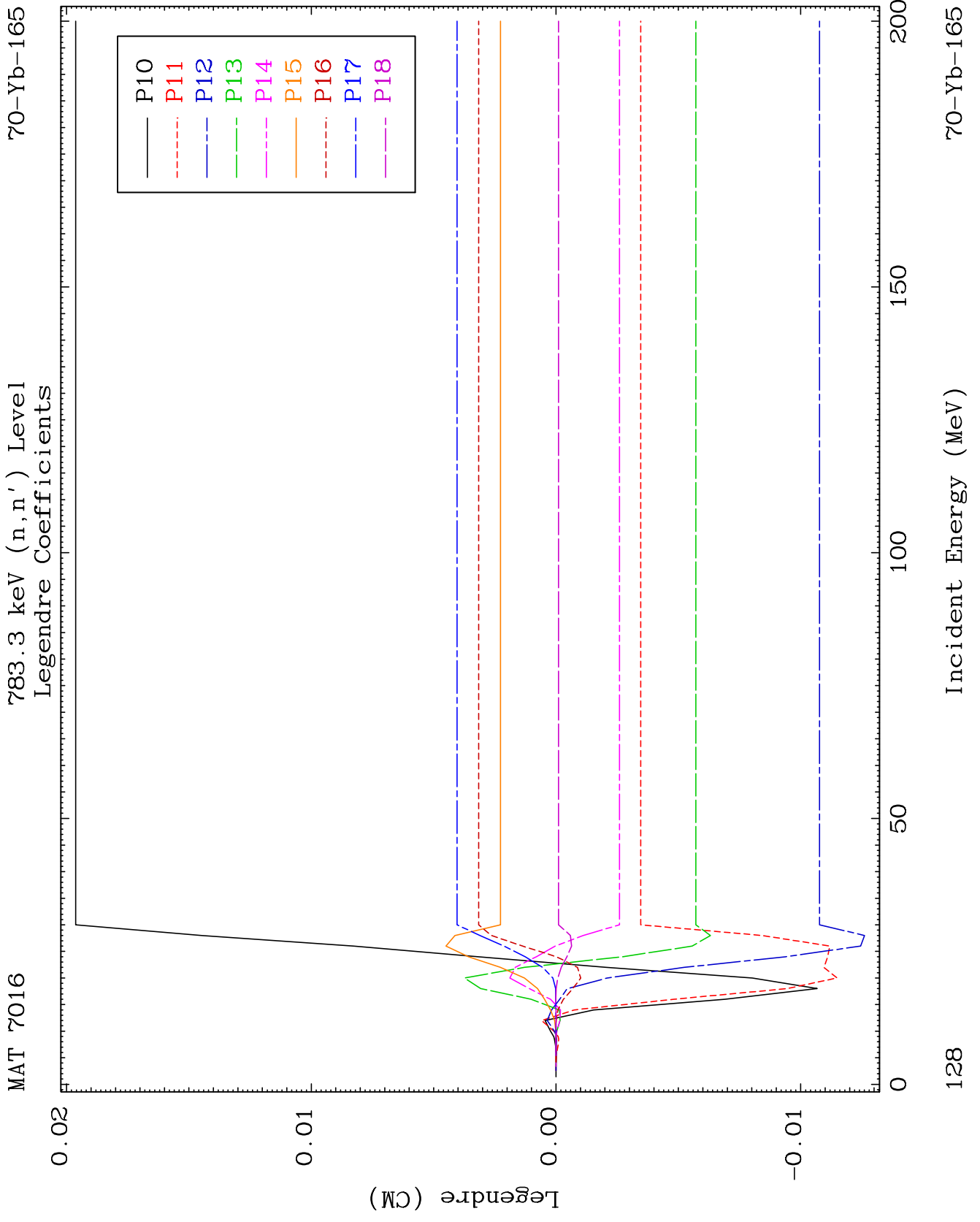
125

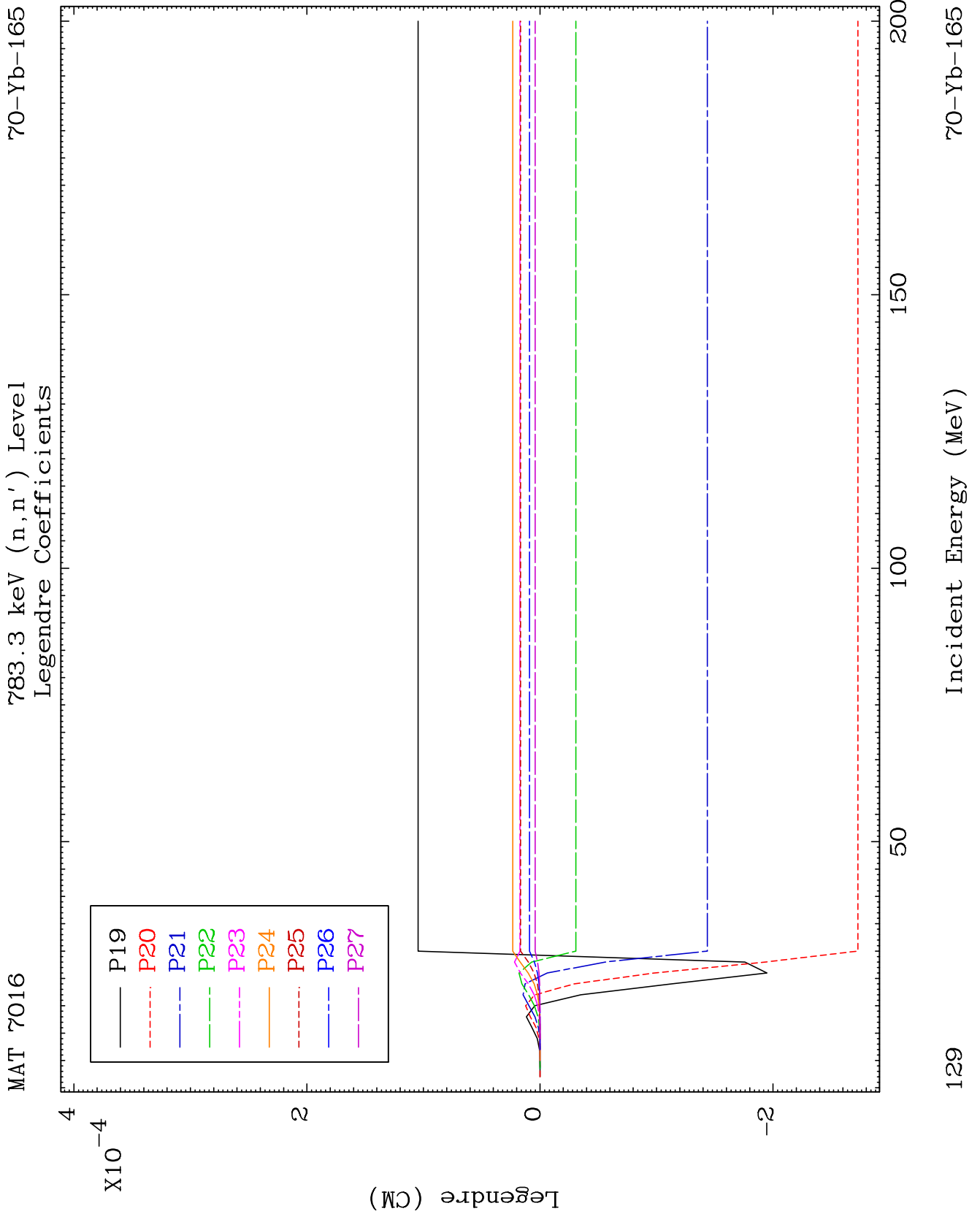
Incident Energy (MeV)

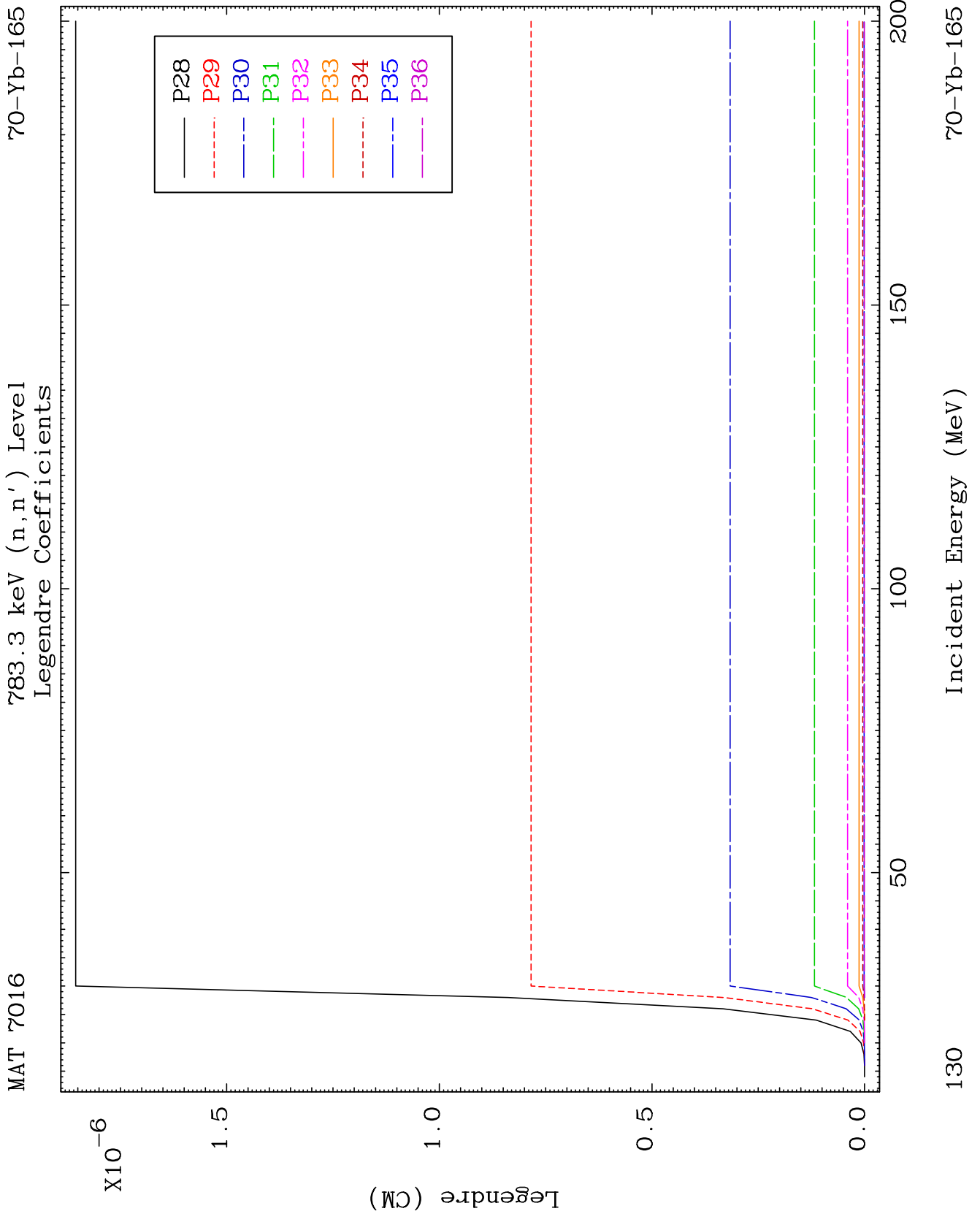
70-Yb-165









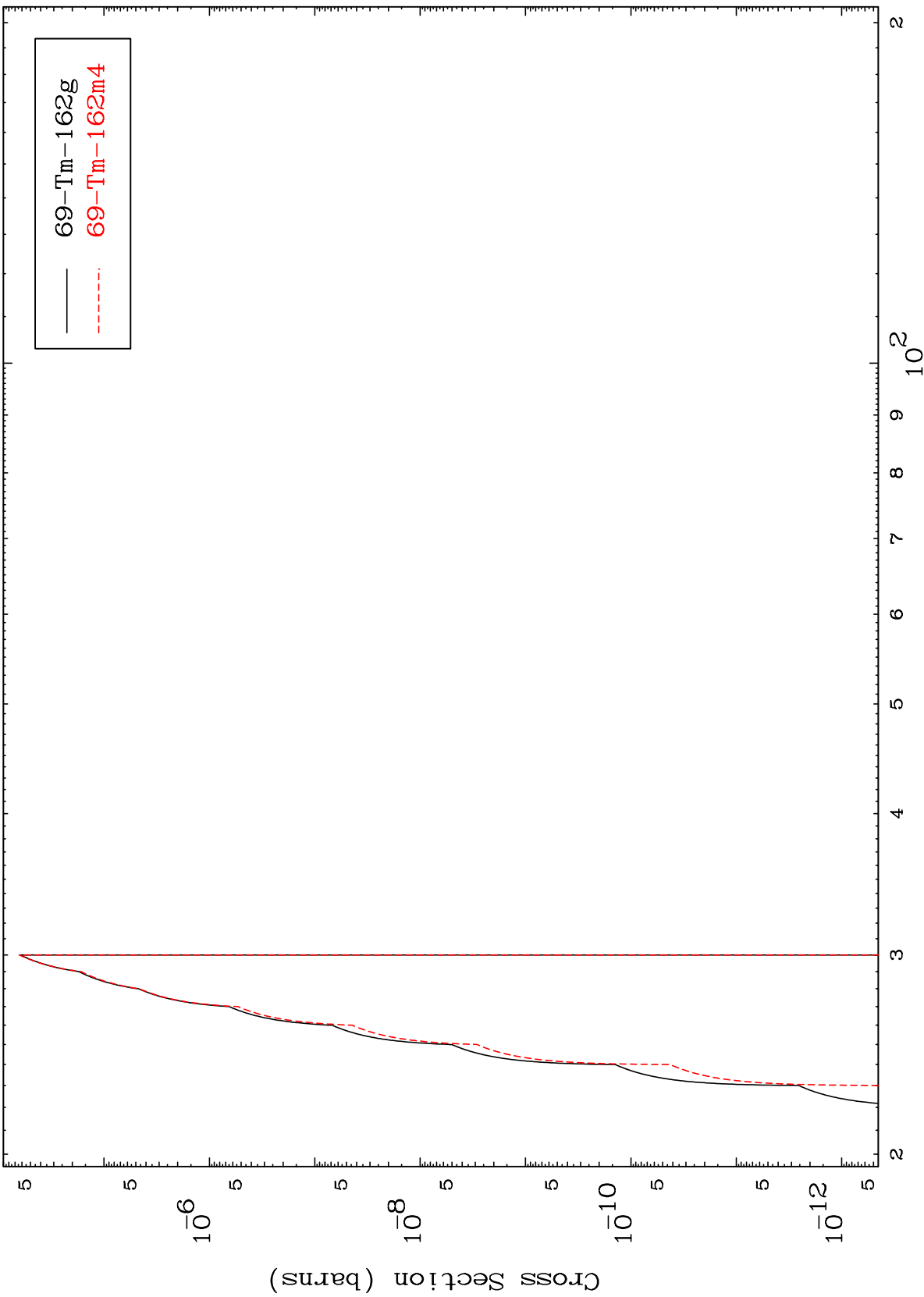


MAT 7016

(n,2n) d

70-Yb-165

Radionuclide Production Cross Section



131

Incident Energy (MeV)

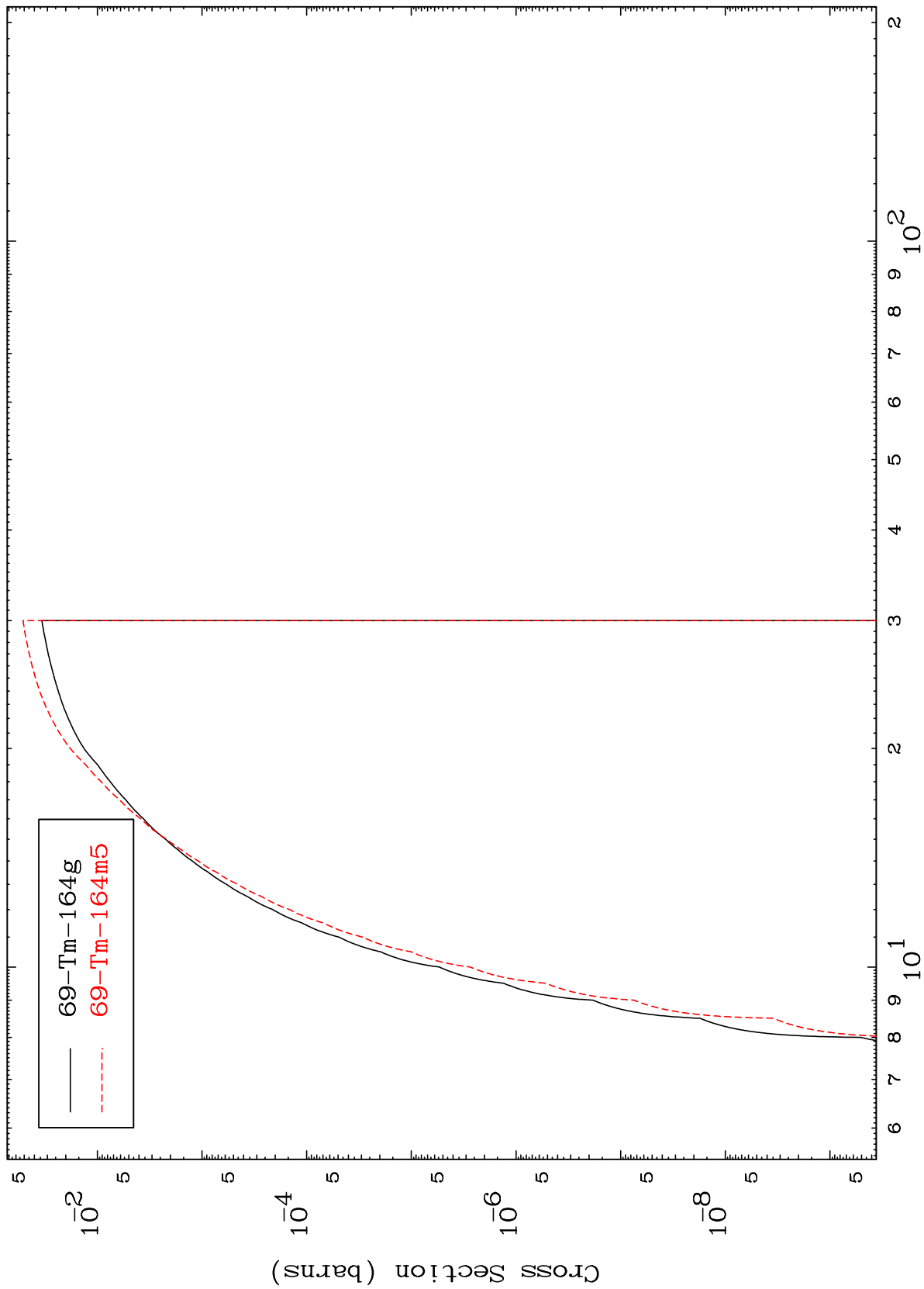
70-Yb-165

MAT 7016

(n,n') p

70-Yb-165

Radionuclide Production Cross Section

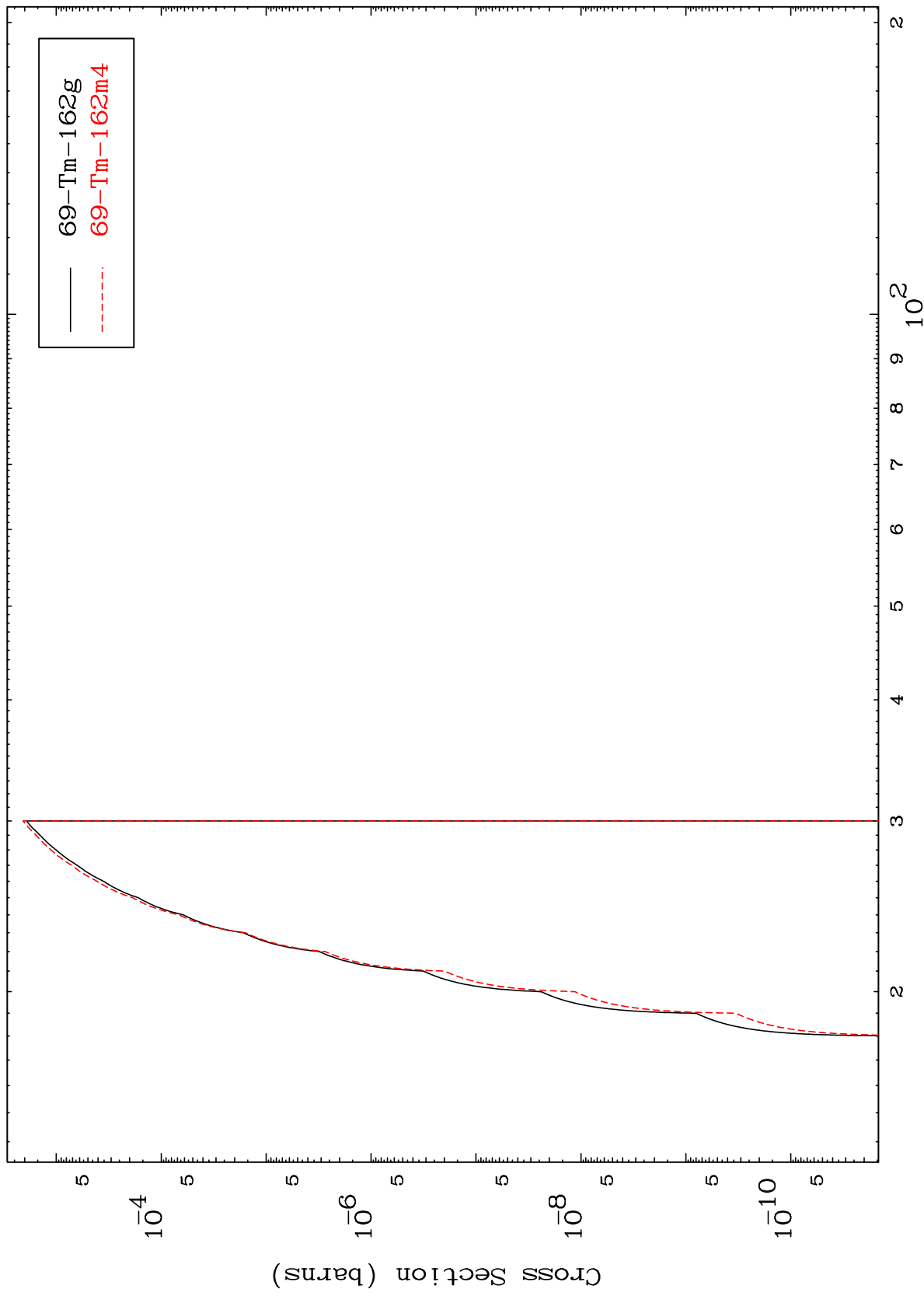


132

Incident Energy (MeV)

70-Yb-165

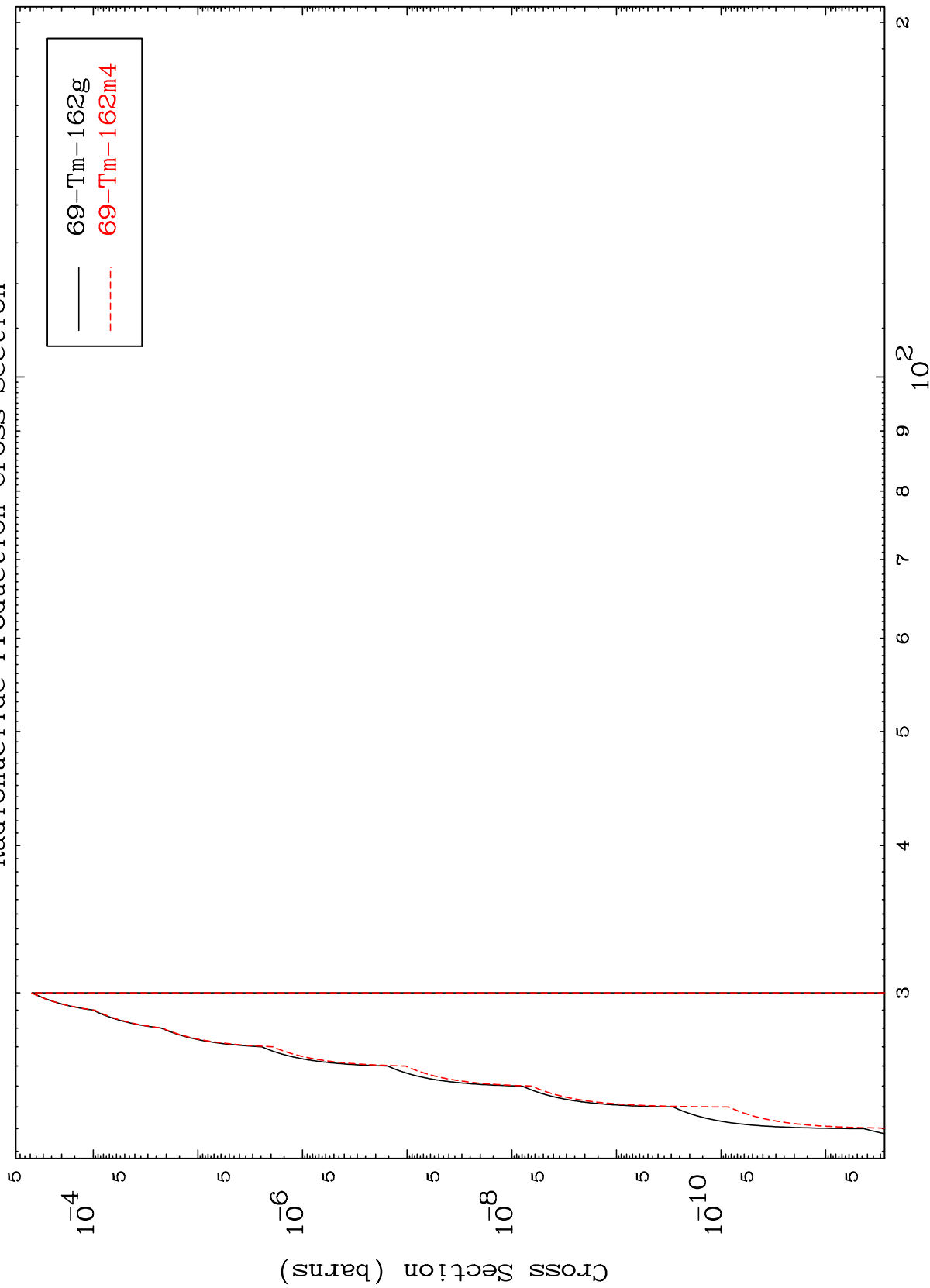
Radionuclide Production Cross Section



MAT 7016

70-Yb-165

(n,3n) p
Radionuclide Production Cross Section



134

70-Yb-165

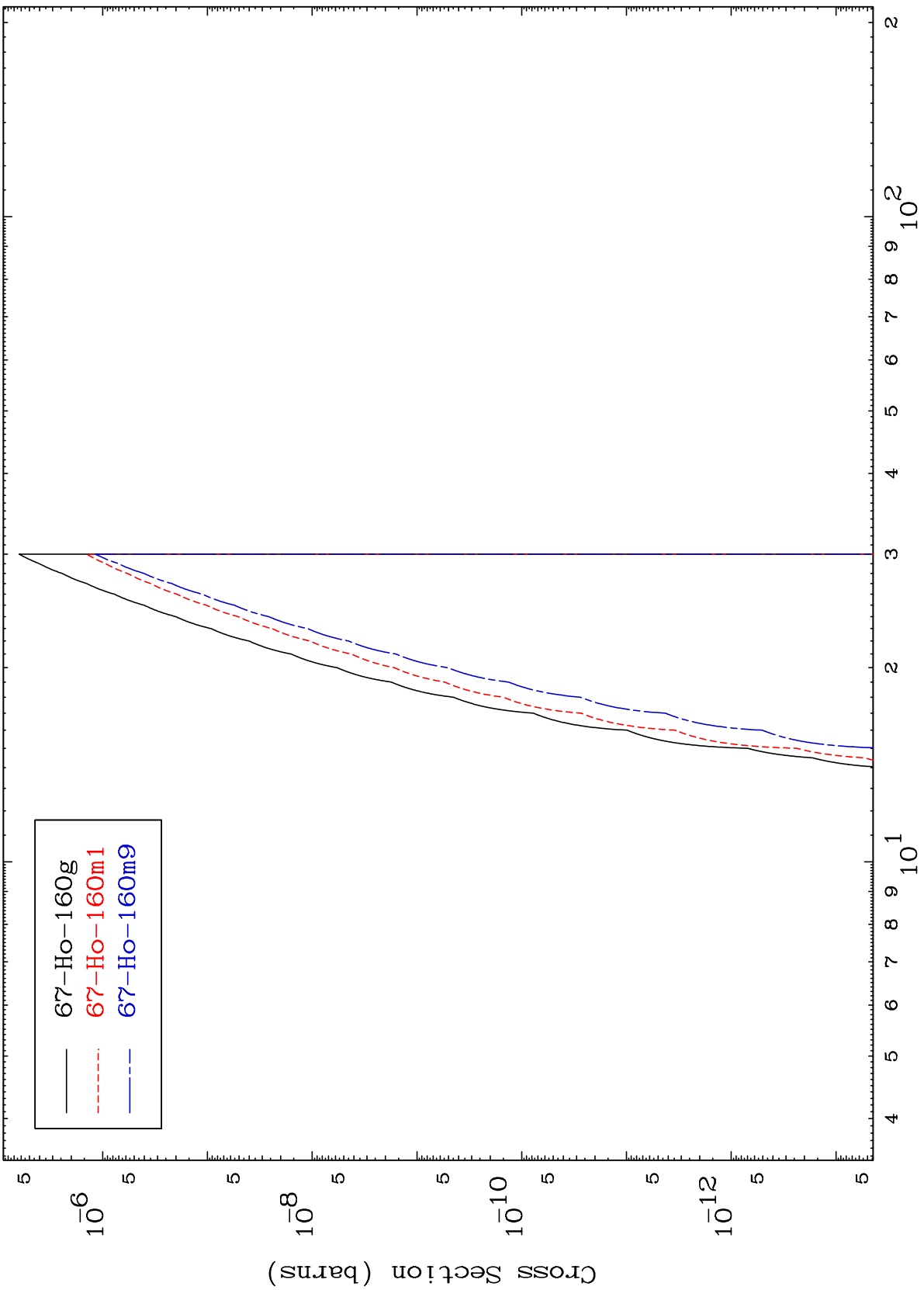
Incident Energy (MeV)

MAT 7016

(n,n') p α

70-Yb-165

Radionuclide Production Cross Section



135

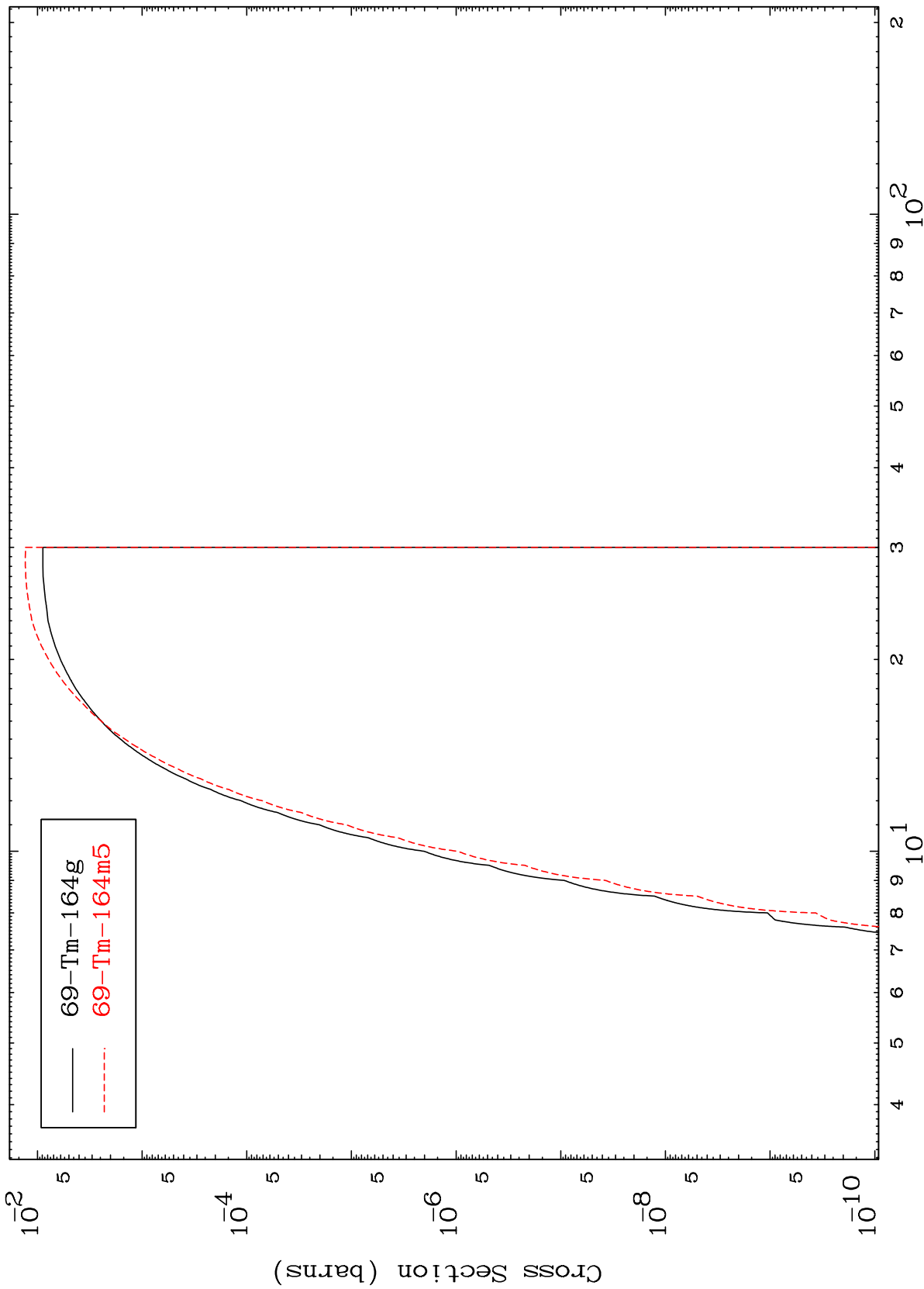
Incident Energy (MeV)

70-Yb-165

MAT 7016

70-Yb-165

(n,d)
Radionuclide Production Cross Section



136

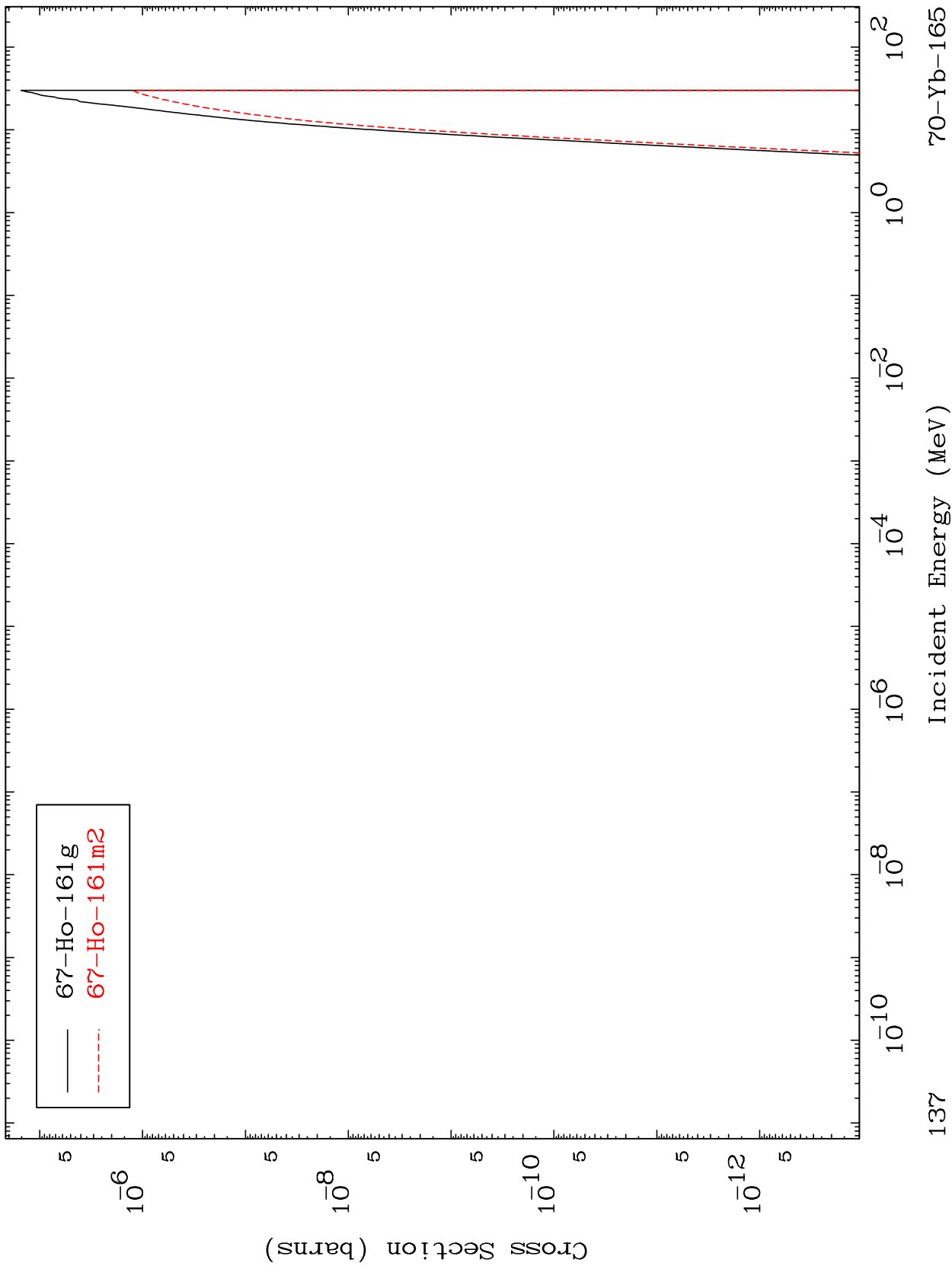
Incident Energy (MeV) 70-Yb-165

MAT 7016

(n,p) α

70-Yb-165

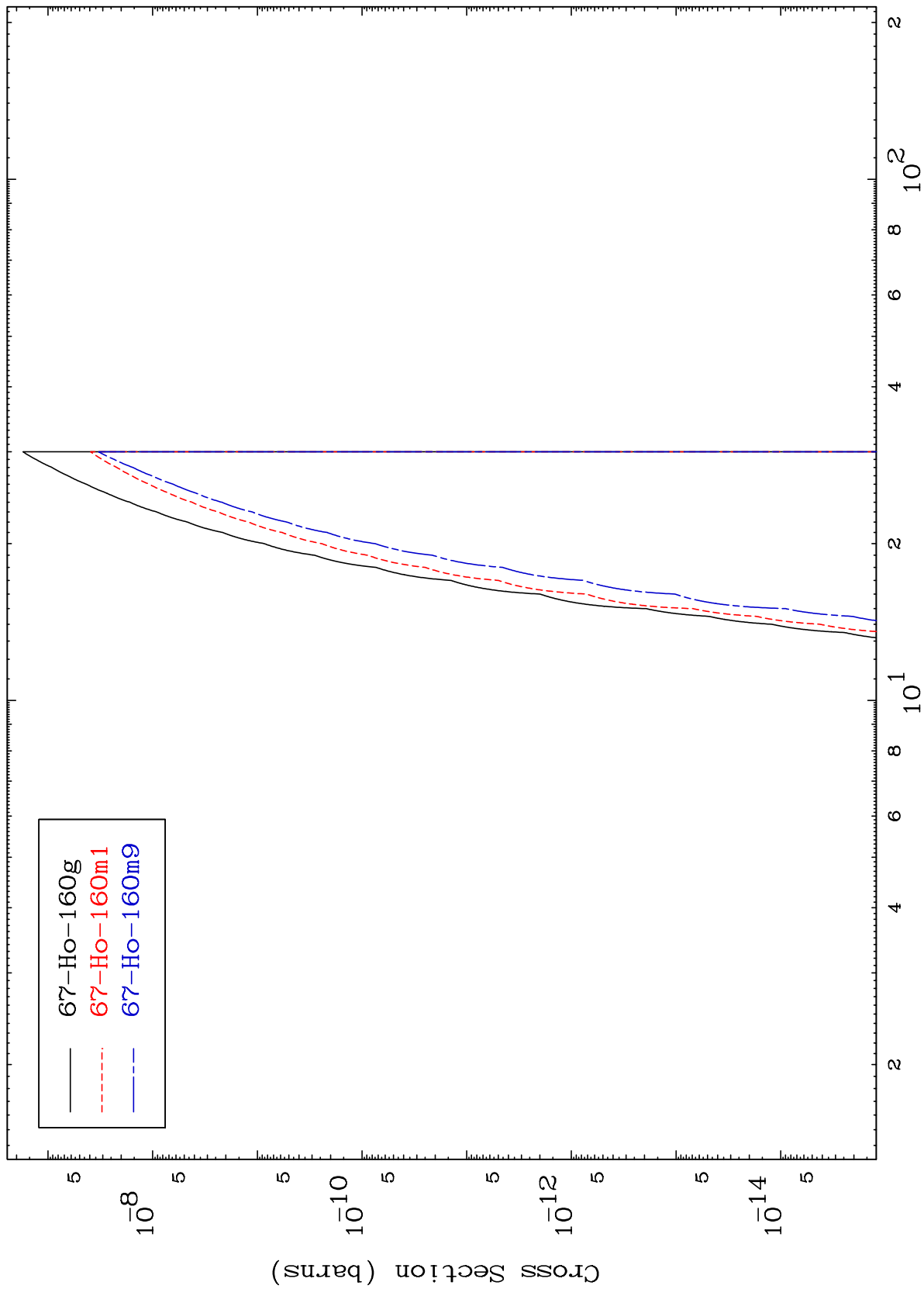
Radionuclide Production Cross Section



MAT 7016

70-Yb-165

(n,d) α
Radionuclide Production Cross Section



138

70-Yb-165

Incident Energy (MeV)