

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

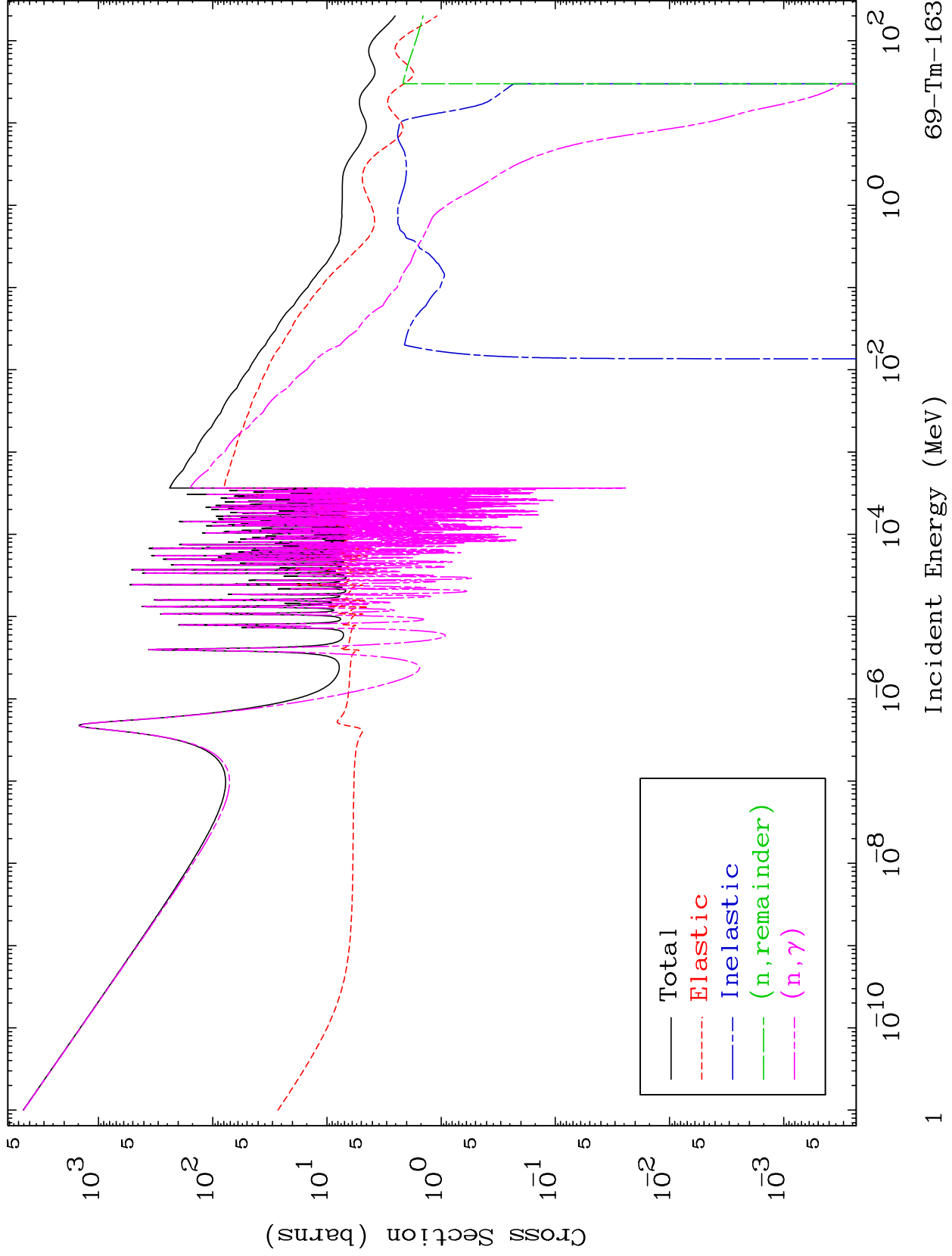
Press Mouse Button to Start

MAT 6907

Major

293 Kelvin Cross Sections

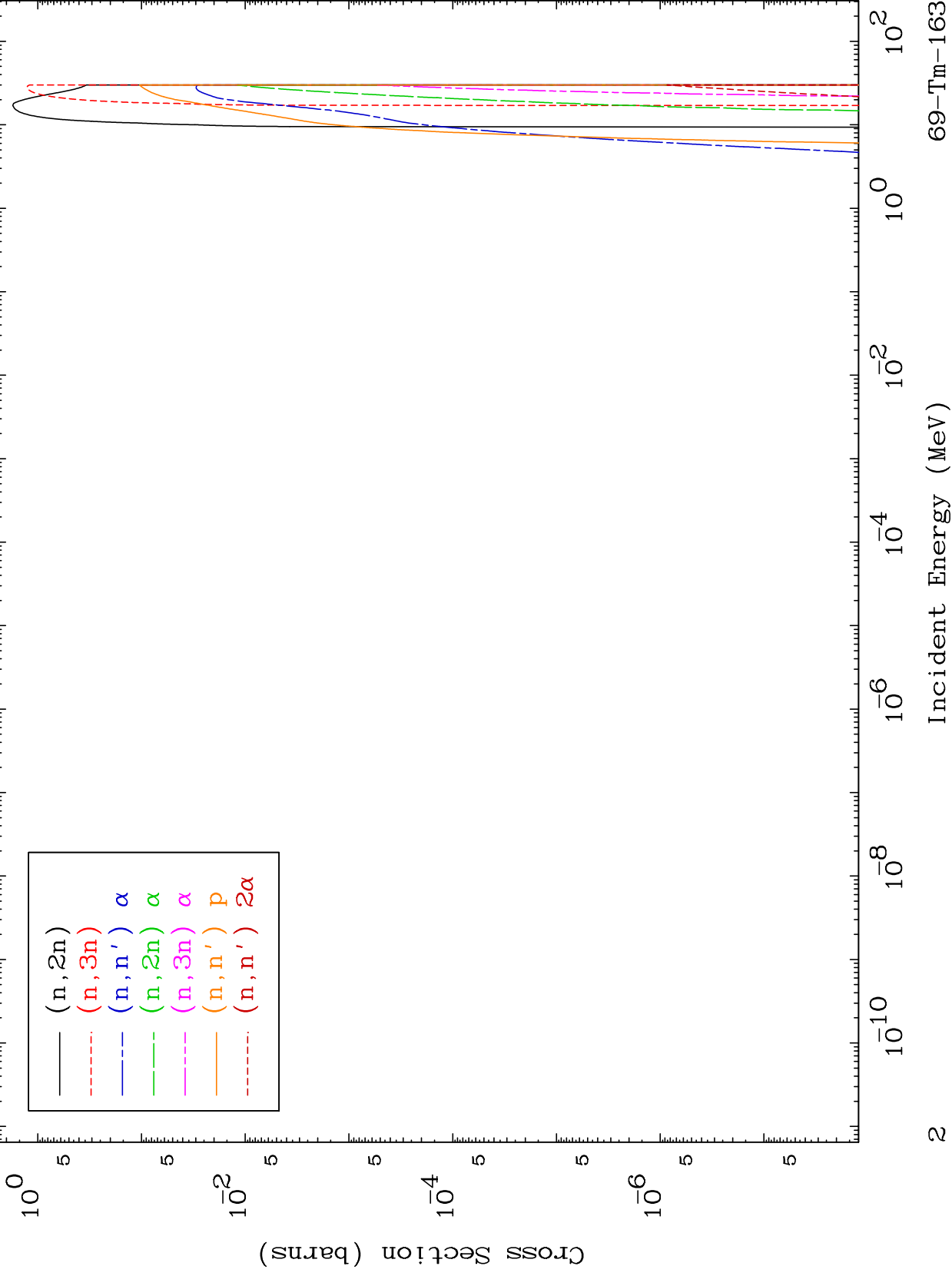
69-Tm-163



MAT 6907

Neutron Production
293 Kelvin Cross Sections

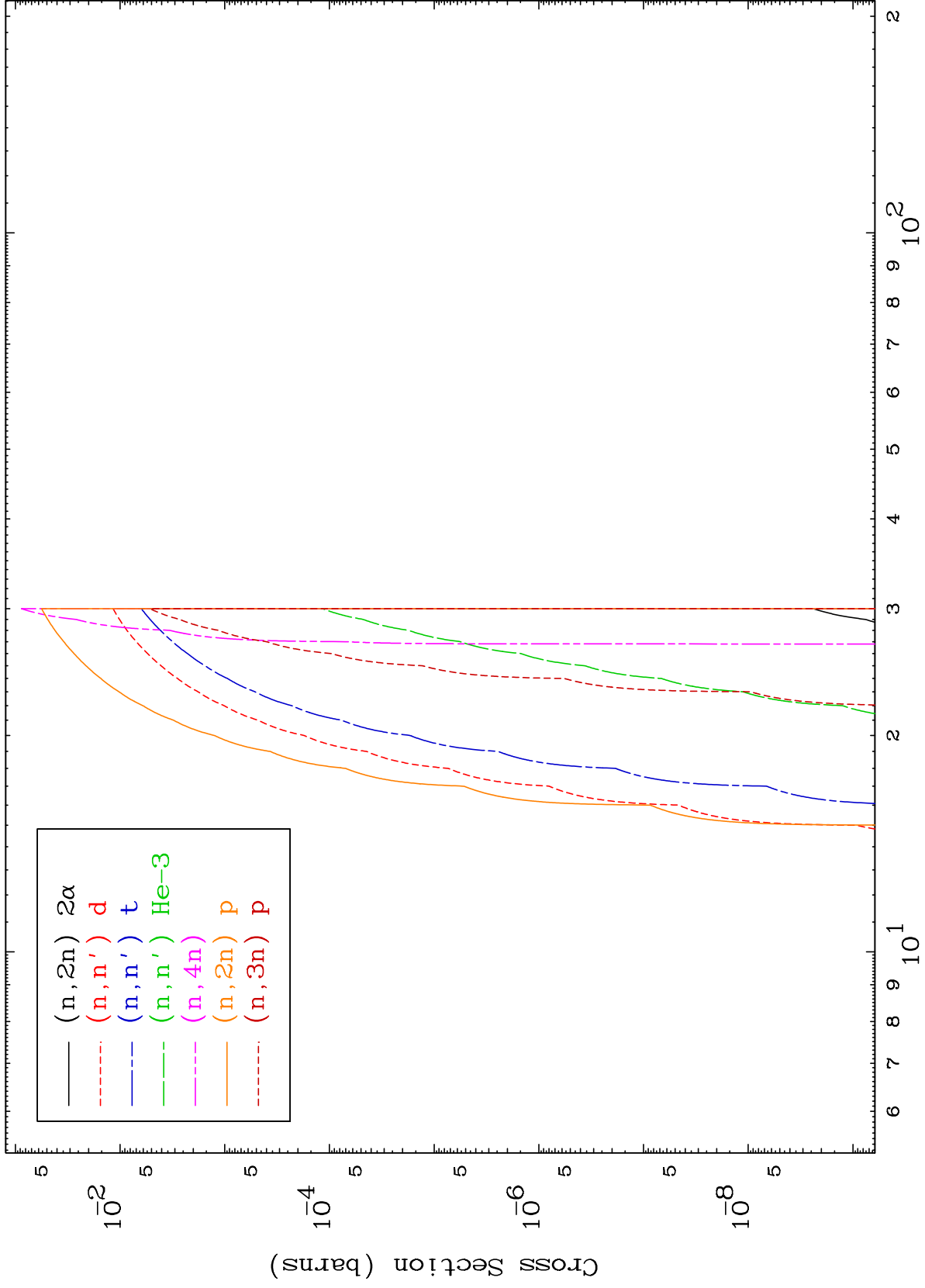
69-Tm-163



MAT 6907

Neutron Production
293 Kelvin Cross Sections

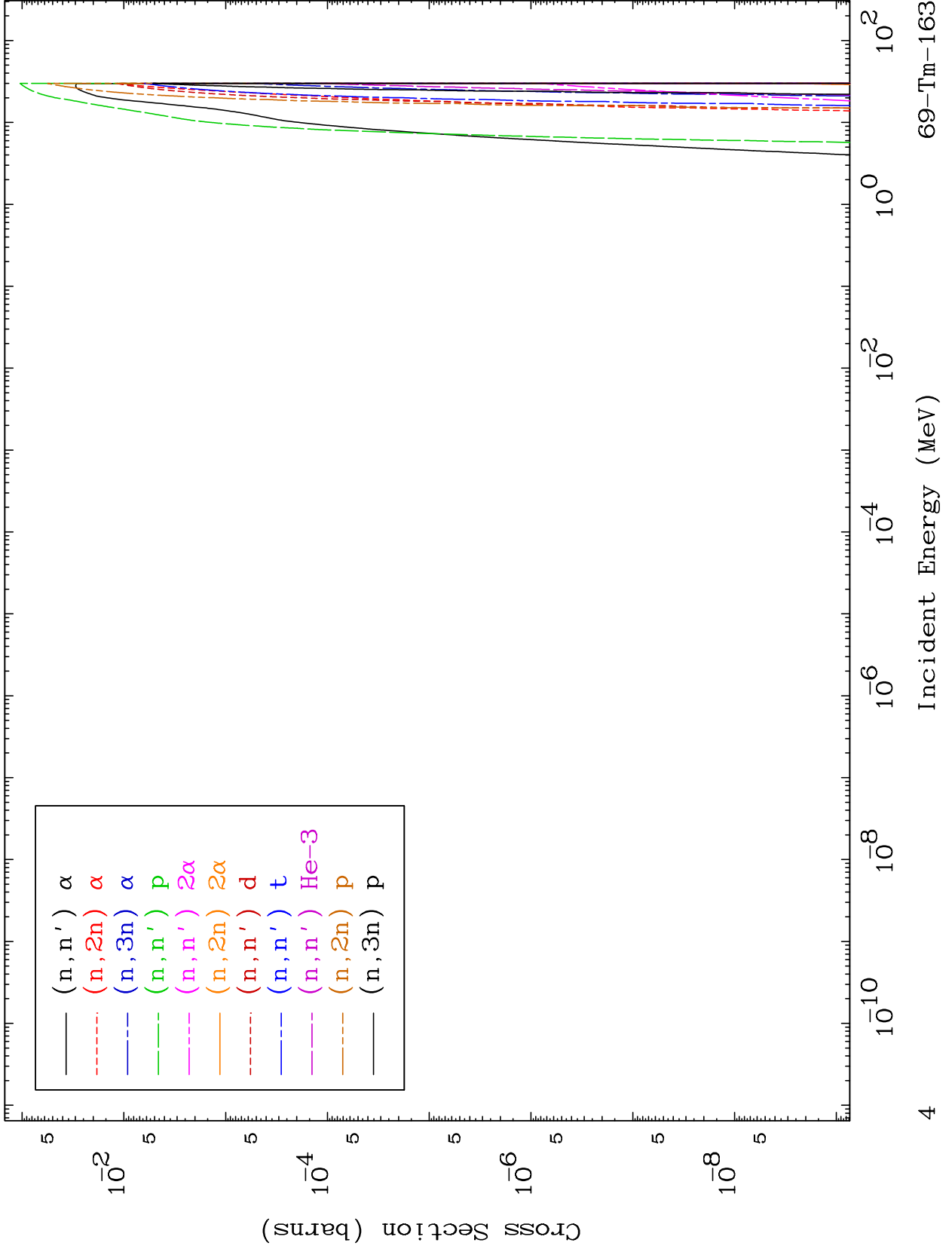
69-Tm-163



MAT 6907

Charged Particle
293 Kelvin Cross Sections

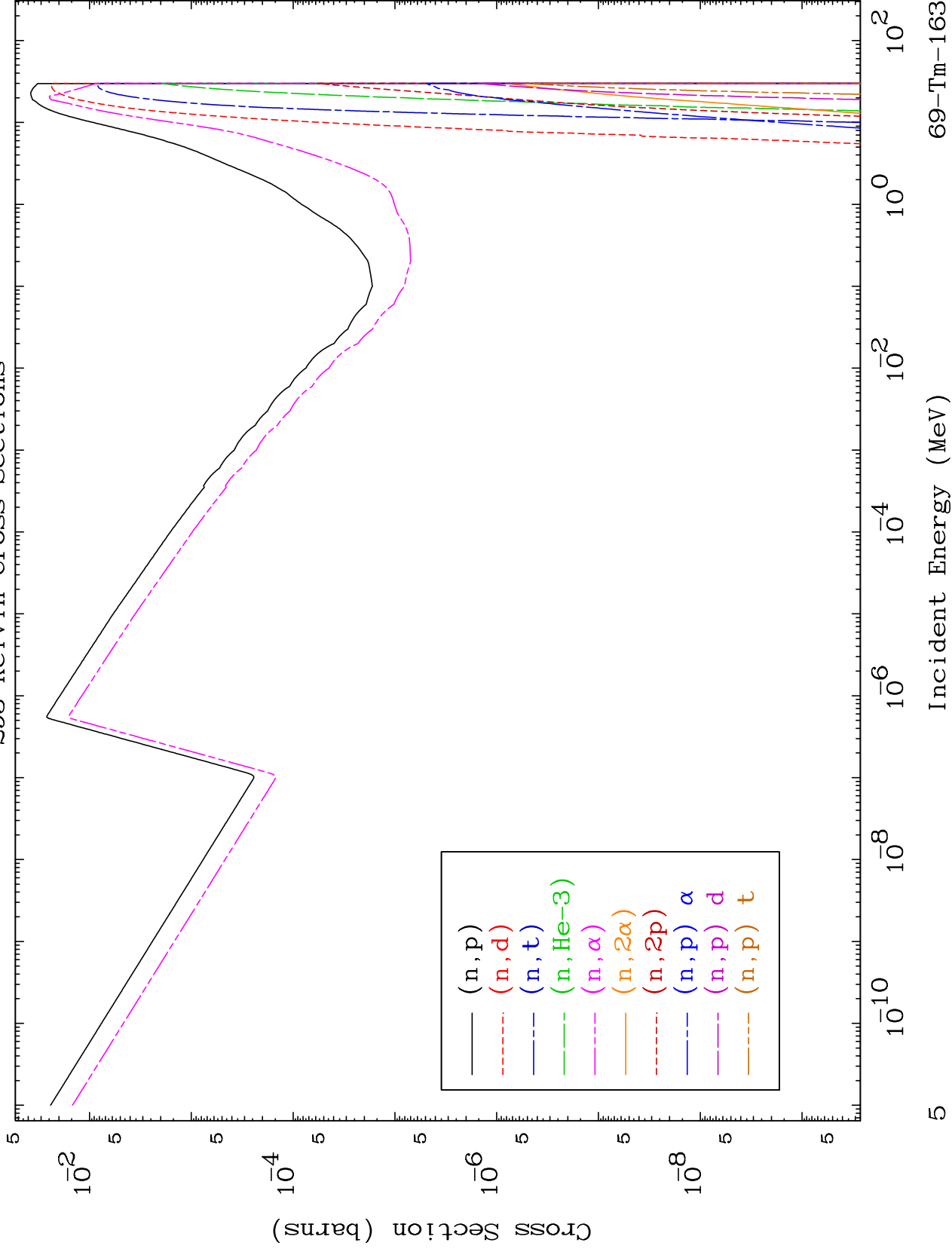
69-Tm-163

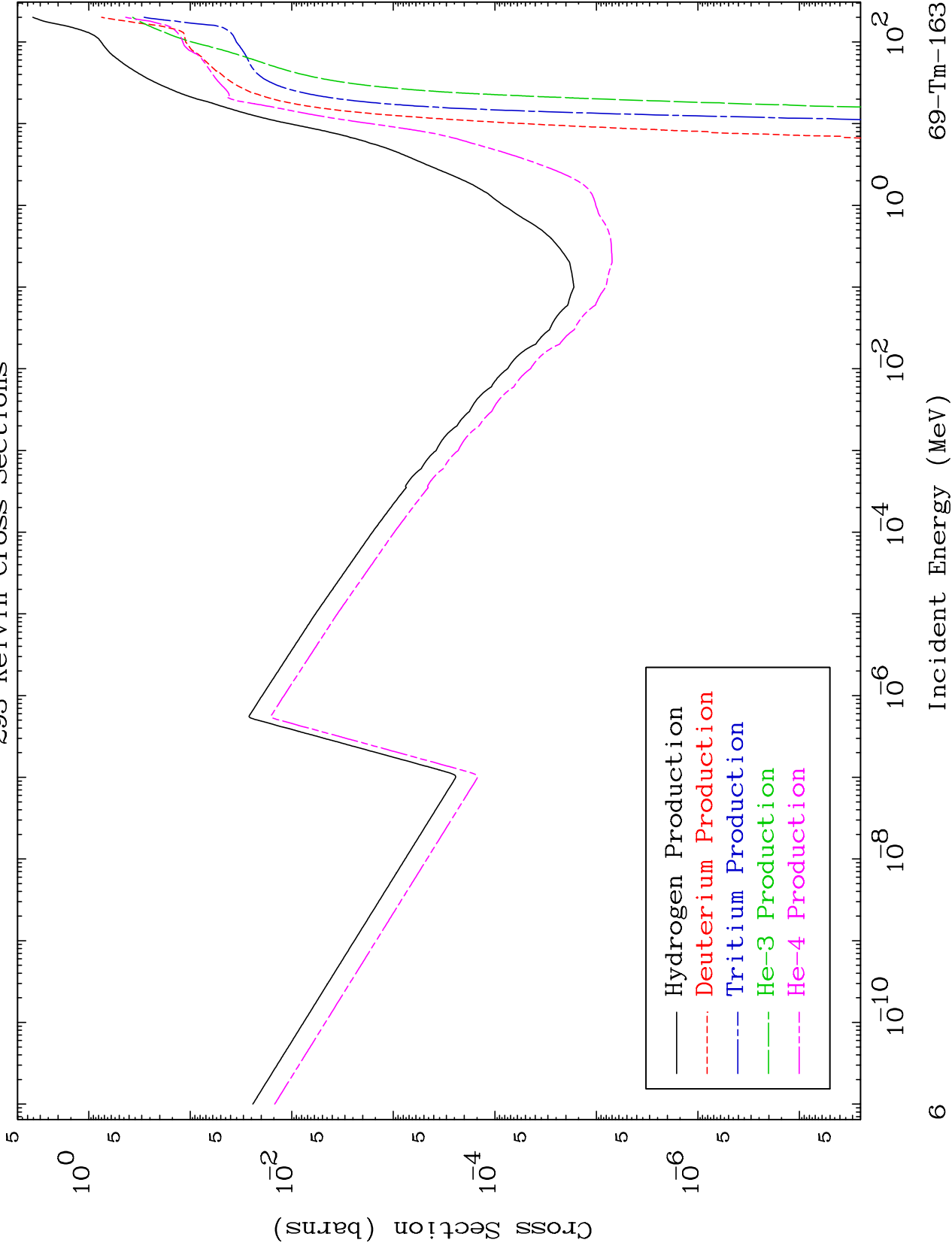


MAT 6907

Charged Particle
293 Kelvin Cross Sections

69-Tm-163

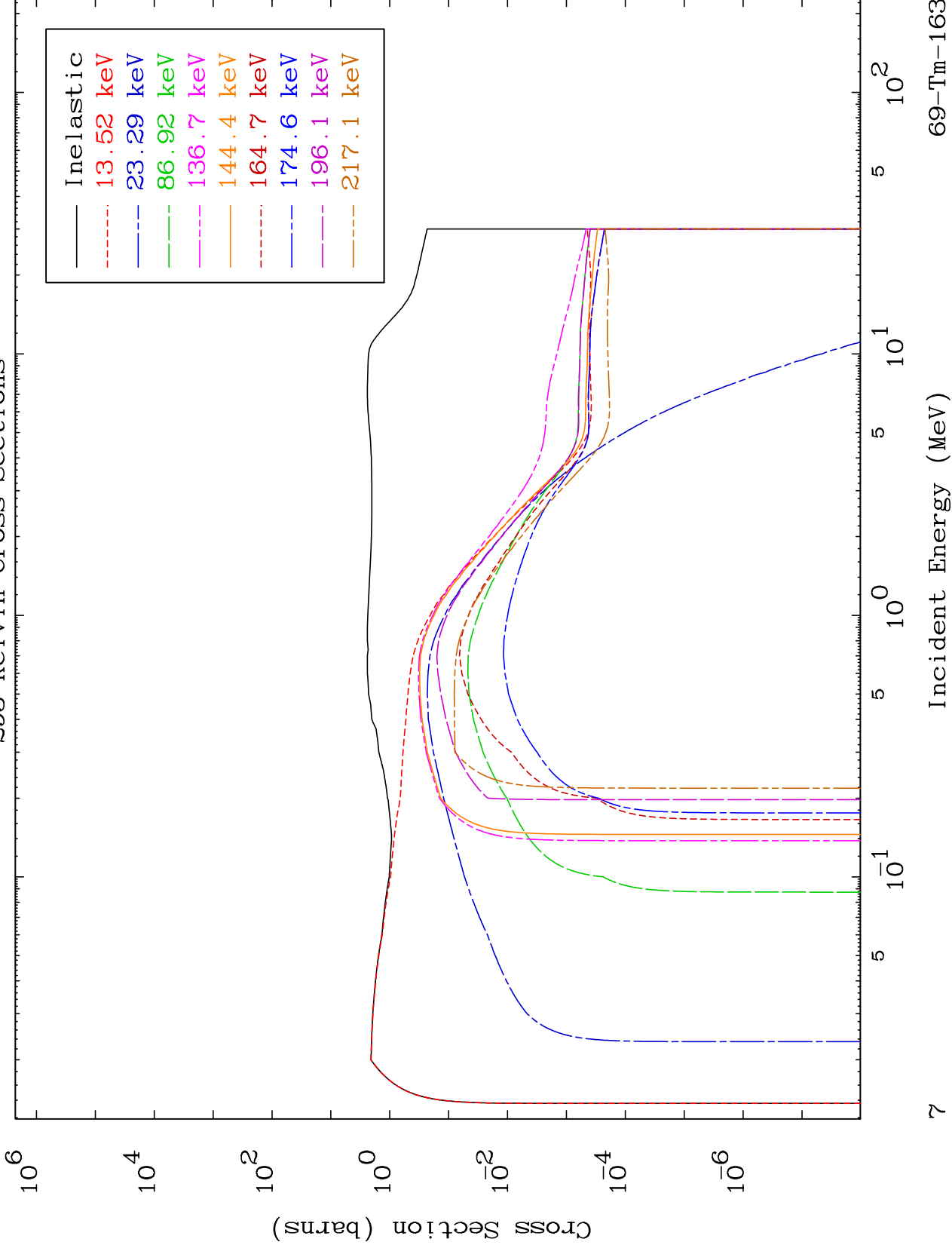




MAT 6907

(n,n') Level
293 Kelvin Cross Sections

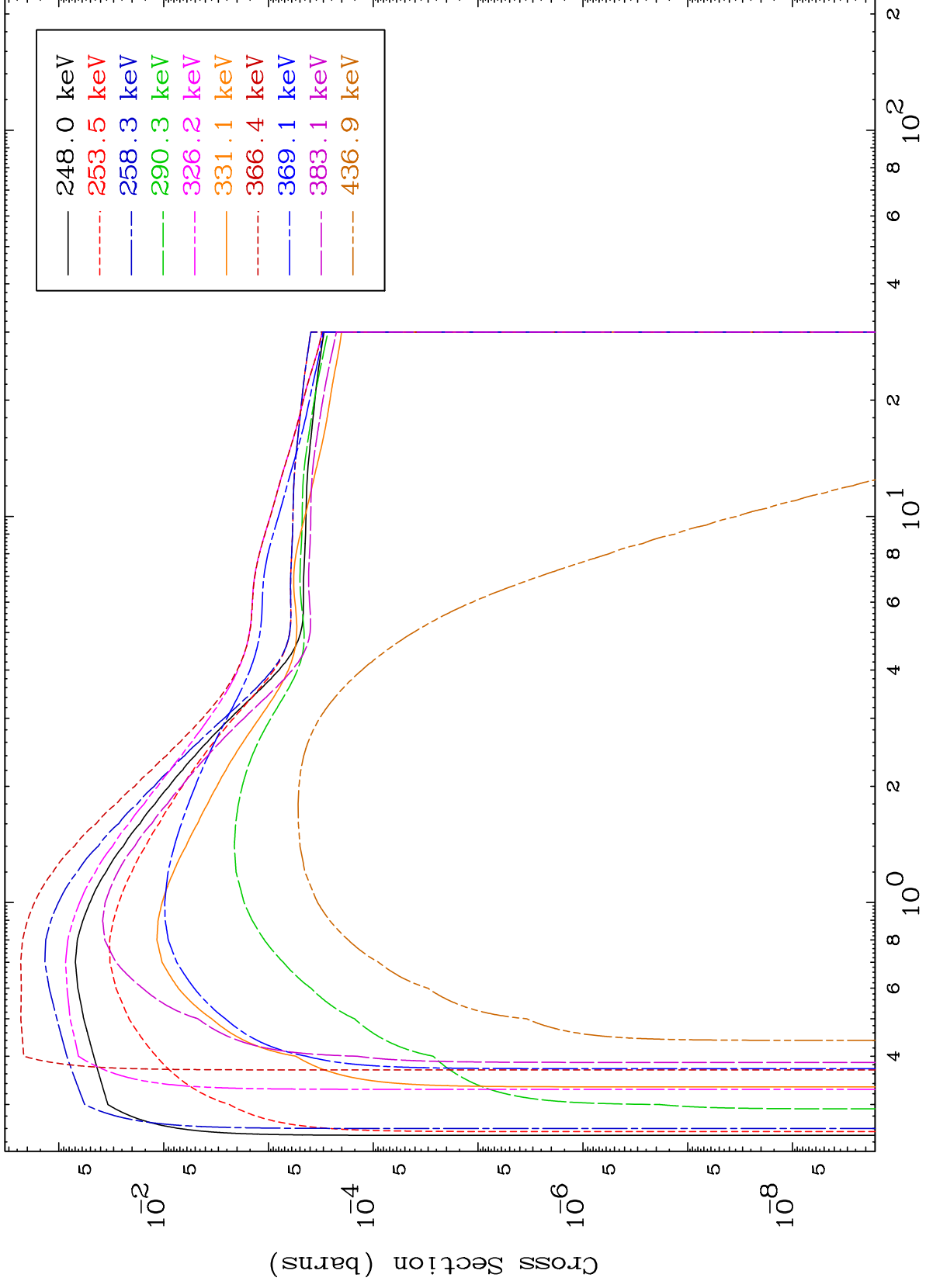
69-Tm-163



MAT 6907

(n,n') Level
293 Kelvin Cross Sections

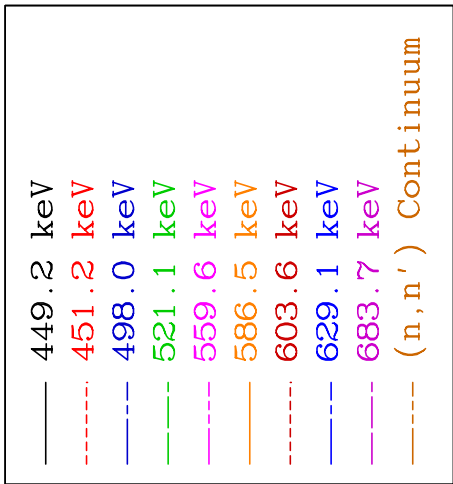
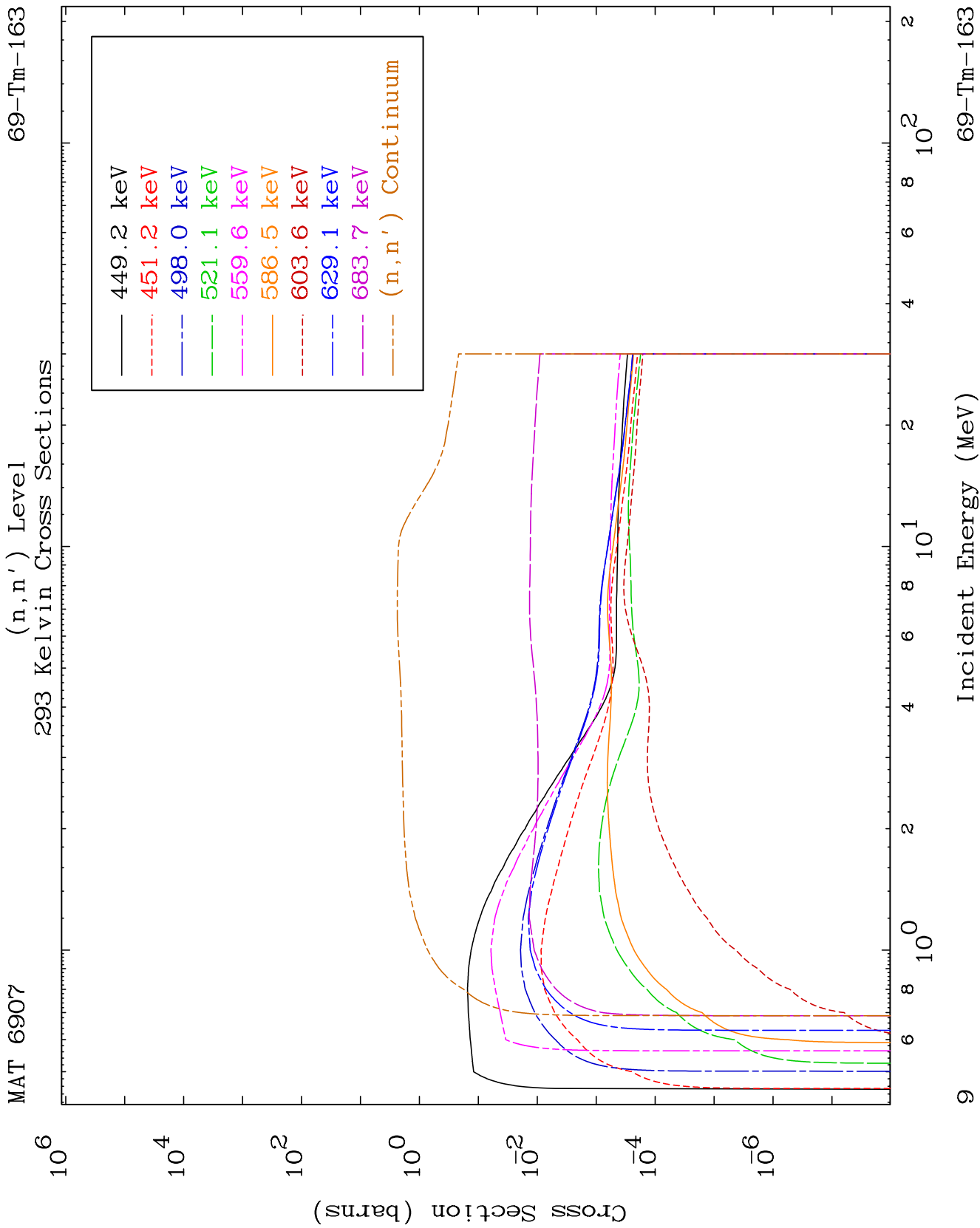
69-Tm-163



8

Incident Energy (MeV)

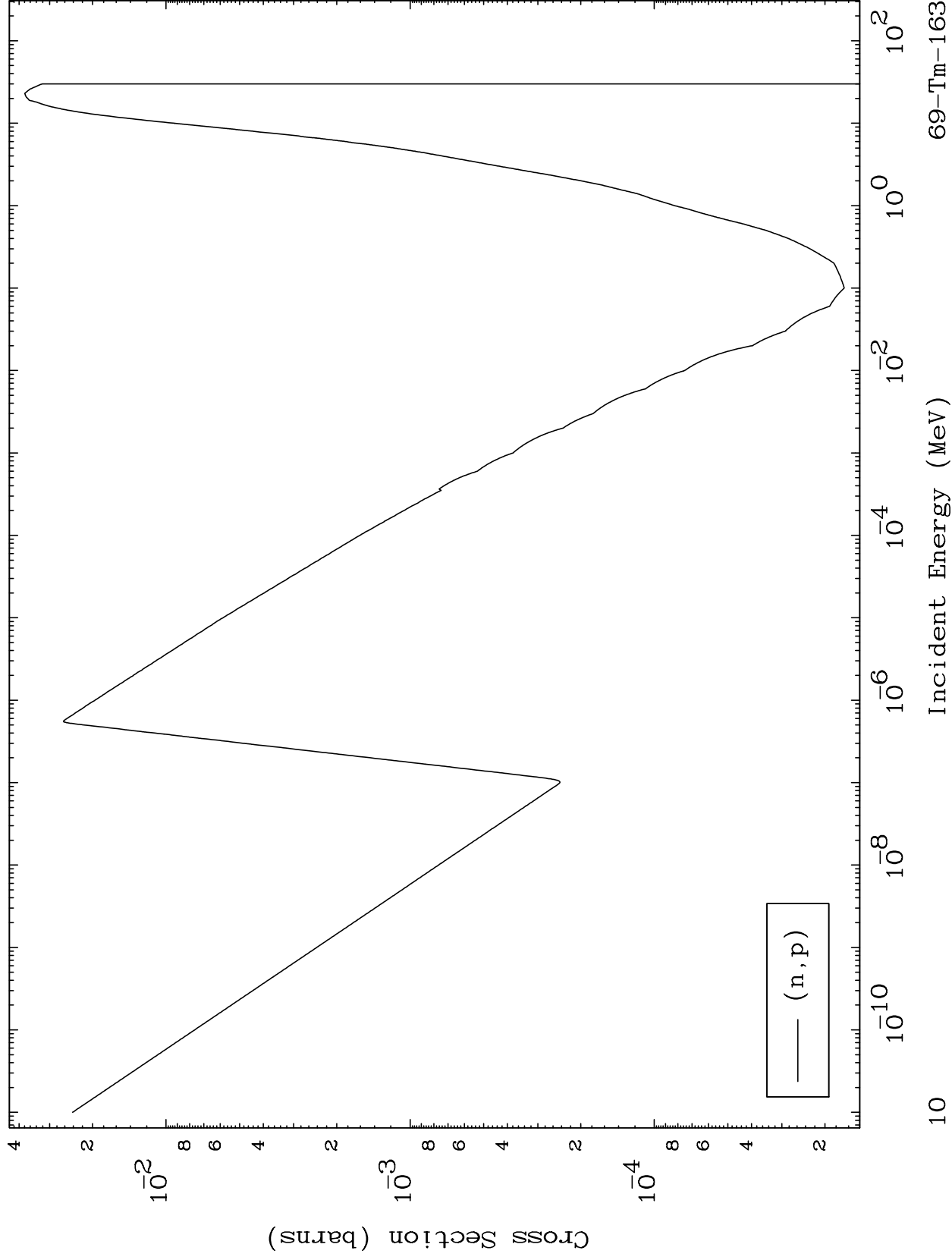
69-Tm-163



MAT 6907

(n,p) Levels
293 Kelvin Cross Sections

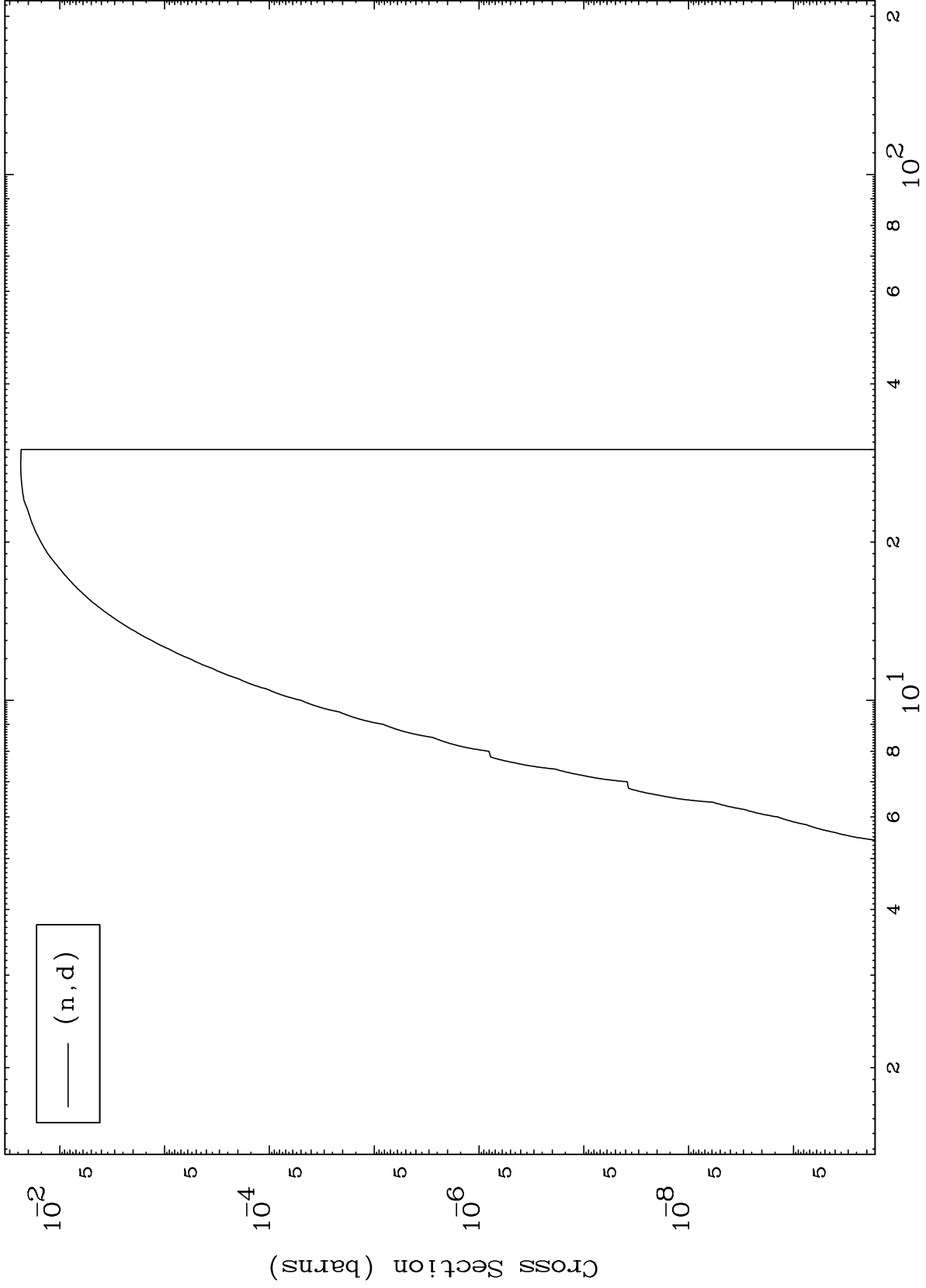
69-Tm-163



MAT 6907

(n,d) Levels
293 Kelvin Cross Sections

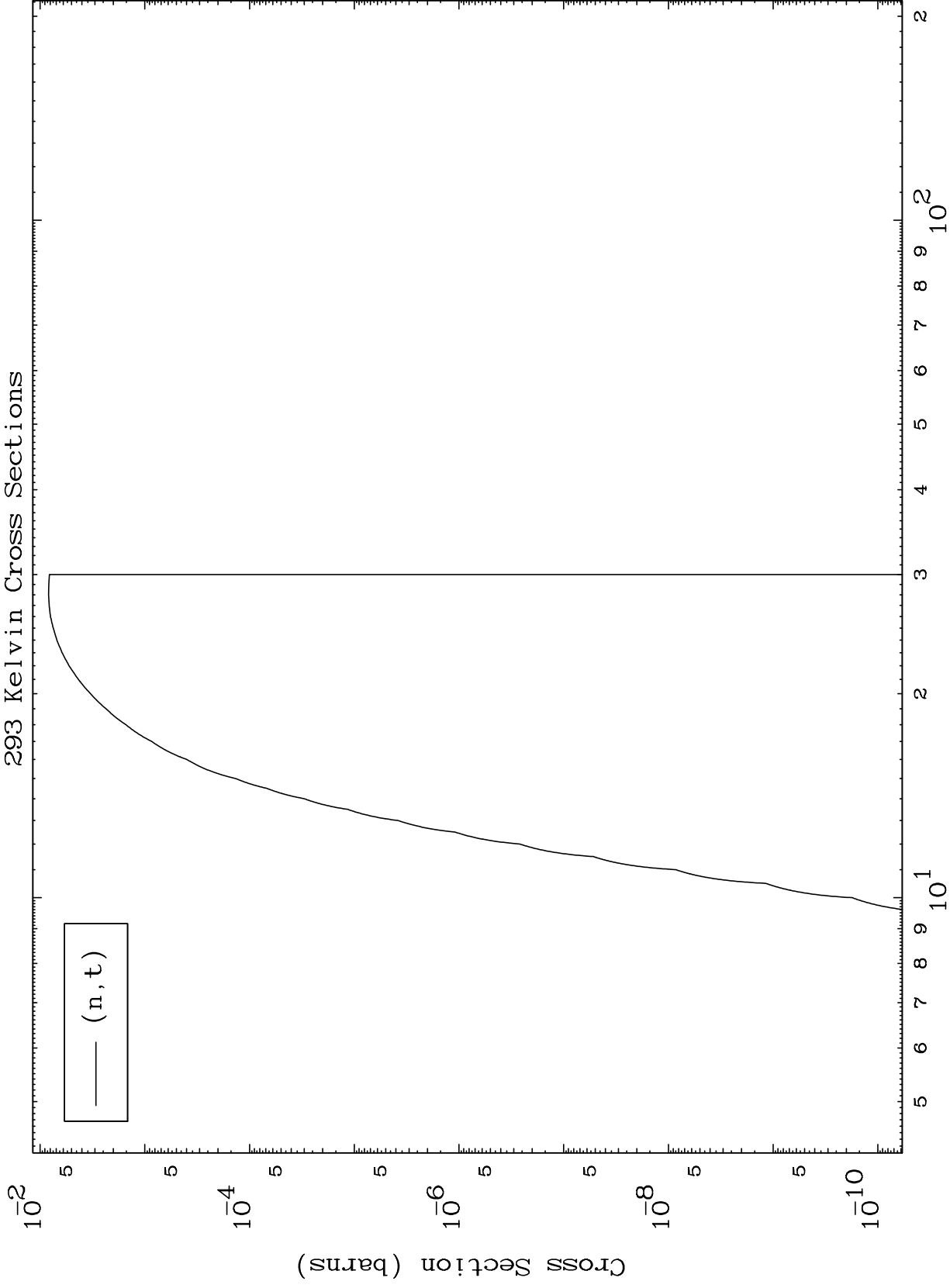
69-Tm-163



MAT 6907

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-163



12

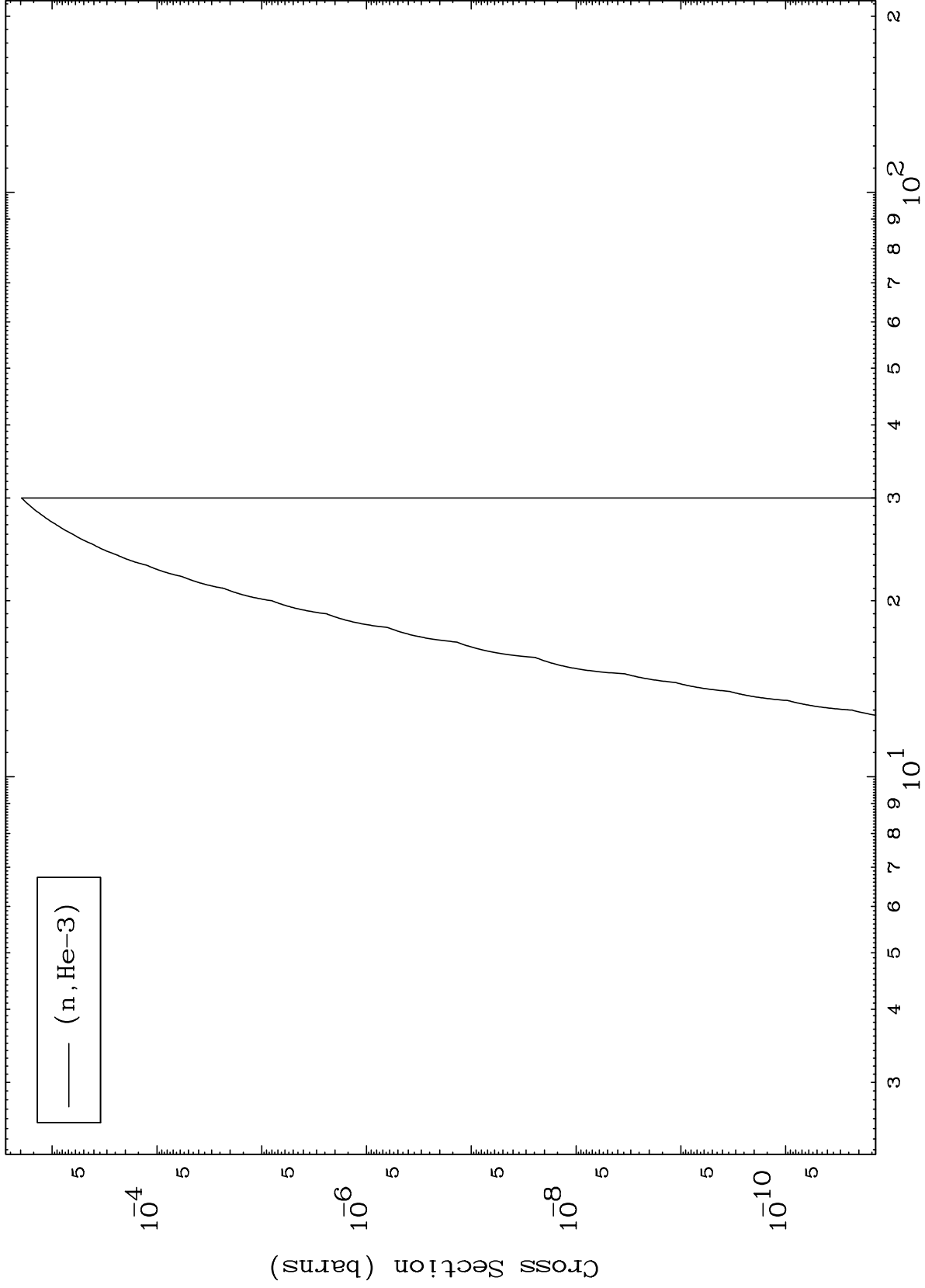
Incident Energy (MeV)

69-Tm-163

MAT 6907

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-163



13

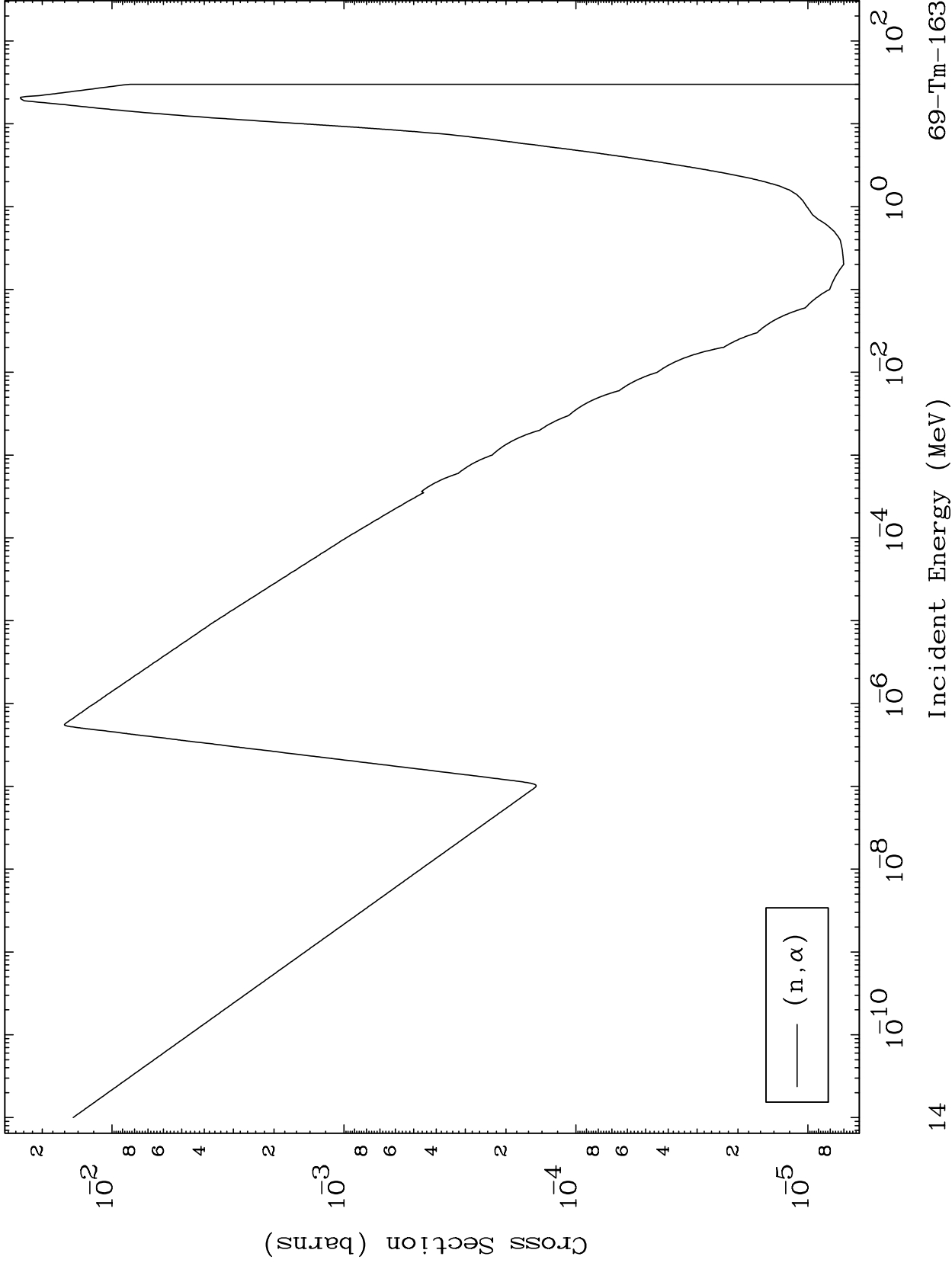
Incident Energy (MeV)

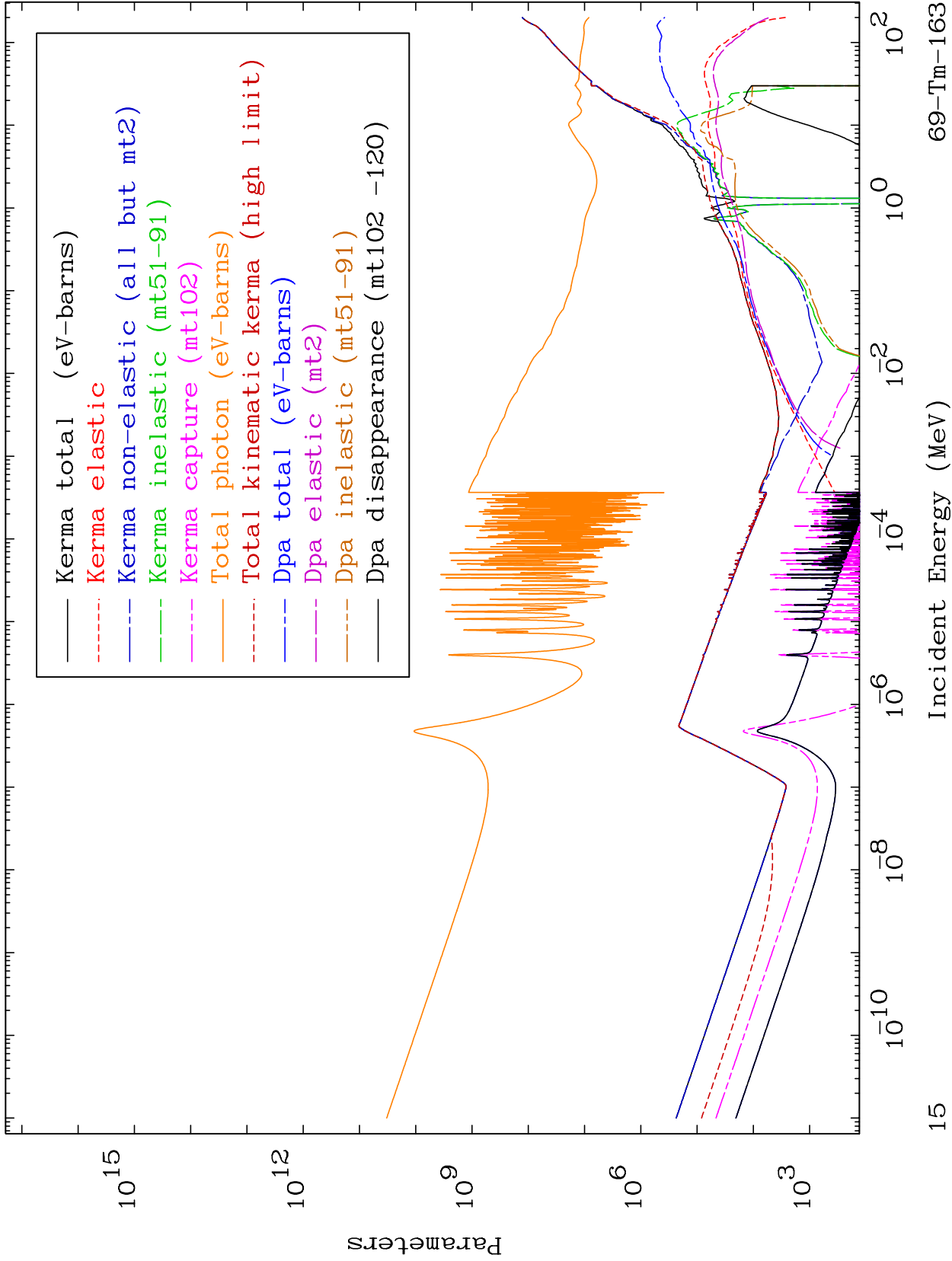
69-Tm-163

MAT 6907

(n, α) Levels
293 Kelvin Cross Sections

69-Tm-163

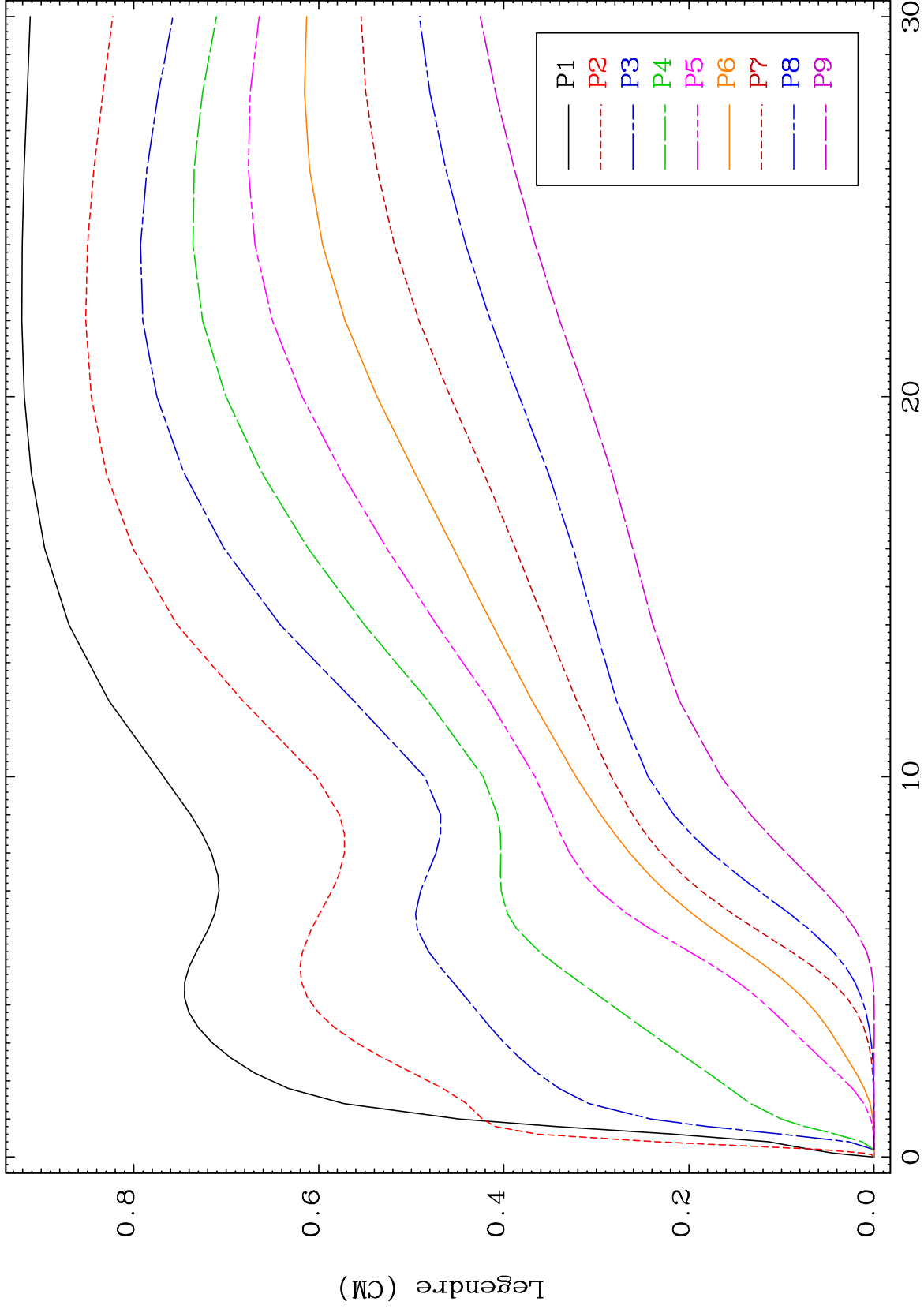




MAT 6907

Elastic Legendre Coefficients

69-Tm-163



16

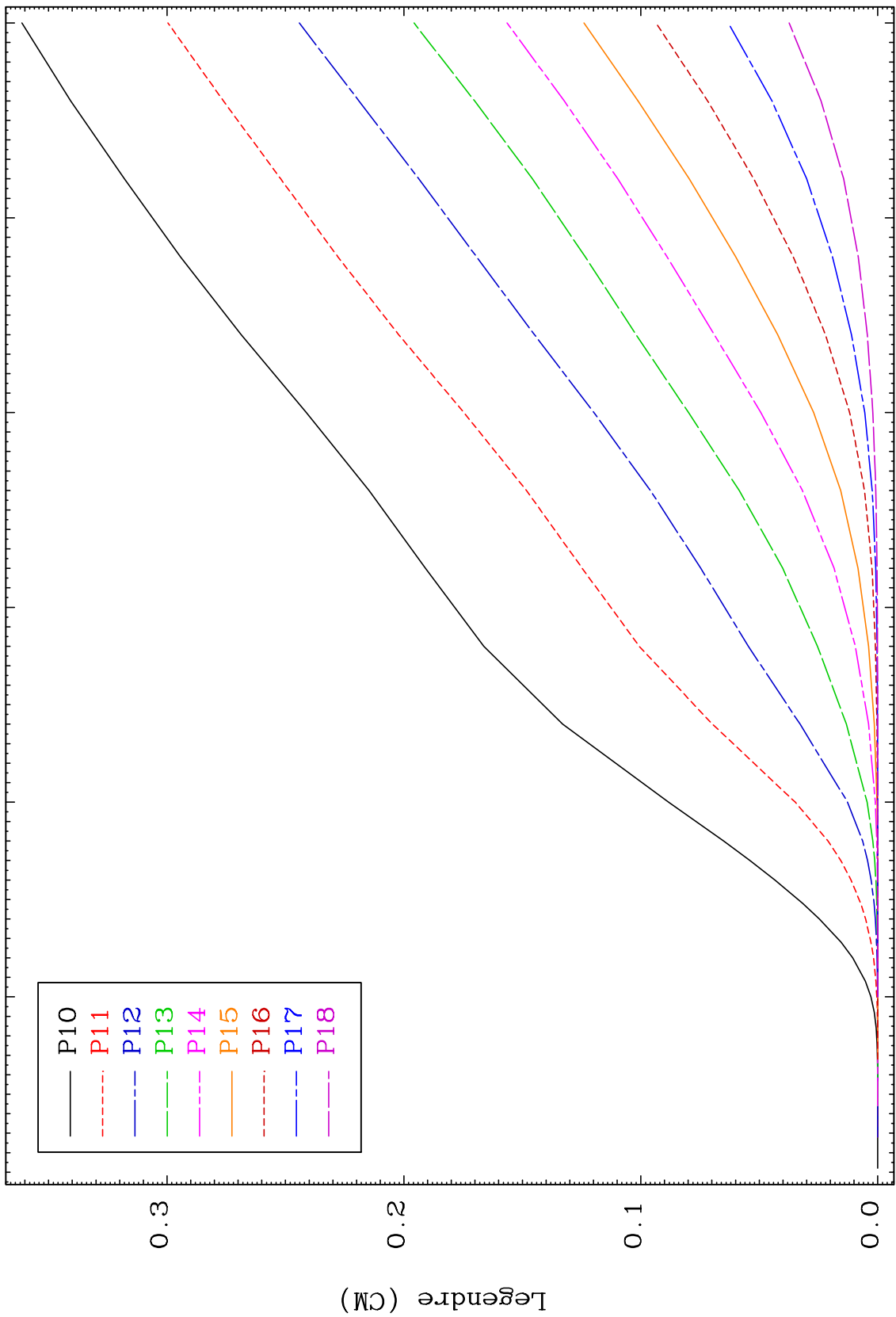
Incident Energy (MeV)

69-Tm-163

MAT 6907

Elastic Legendre Coefficients

69-Tm-163



17

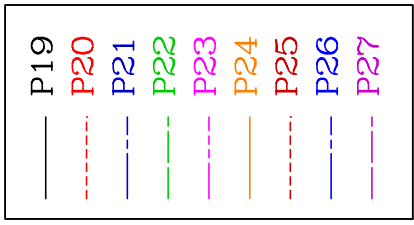
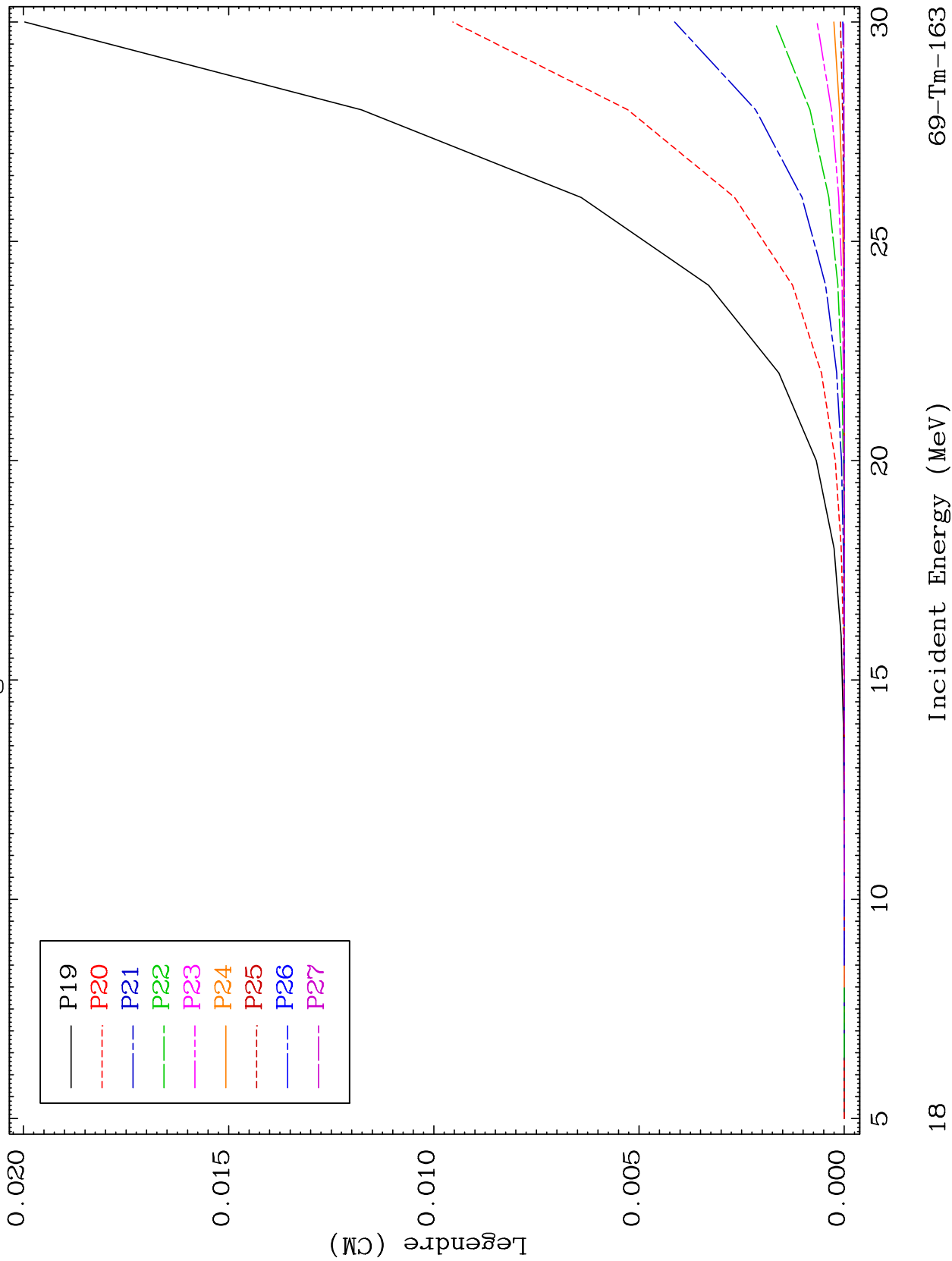
Incident Energy (MeV)

69-Tm-163

MAT 6907

Elastic
Legendre Coefficients

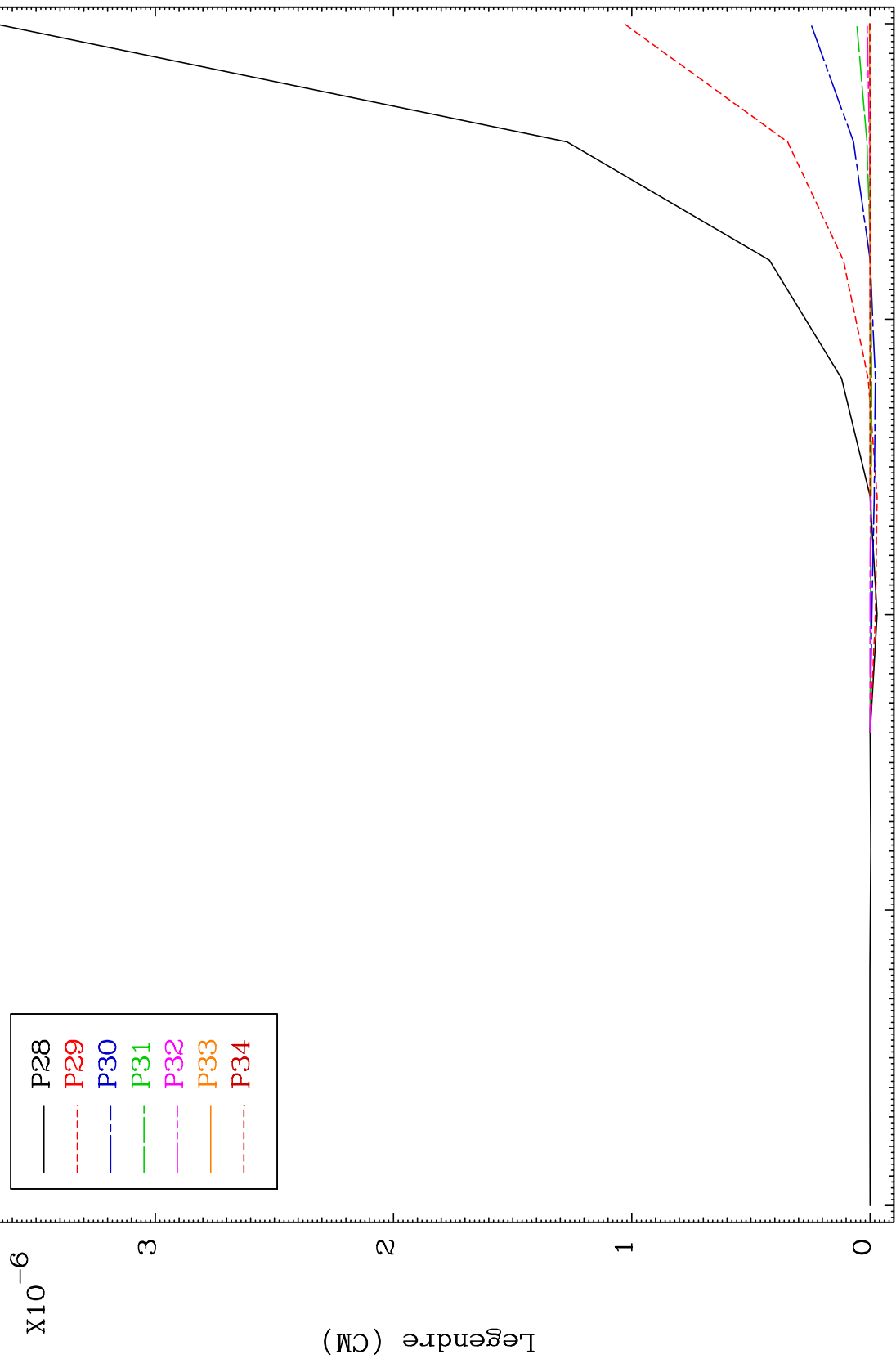
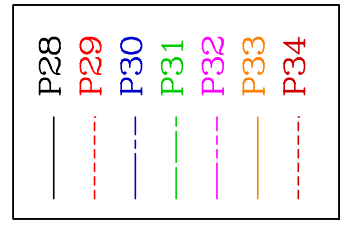
69-Tm-163



MAT 6907

Elastic
Legendre Coefficients

69-Tm-163



10

15

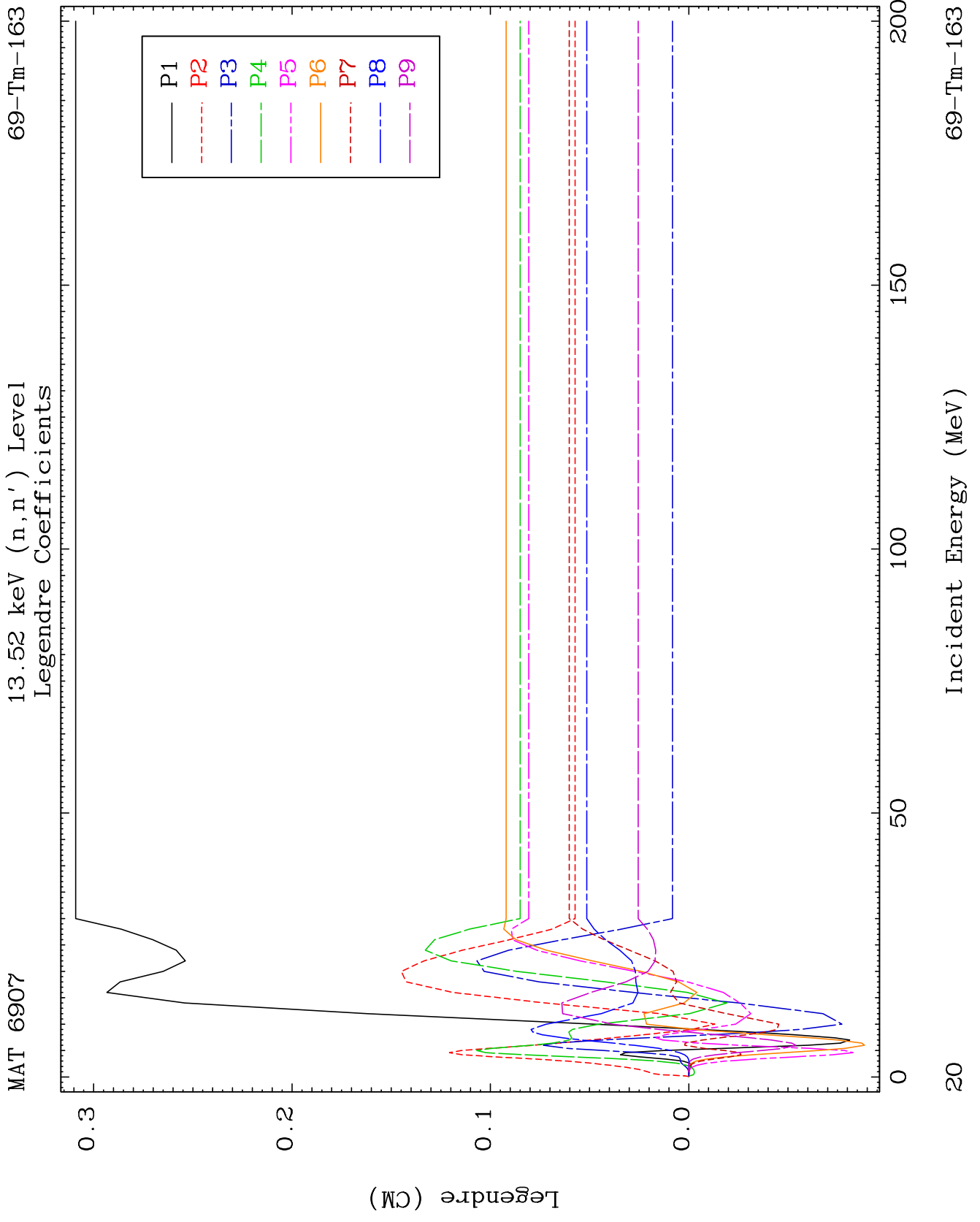
20

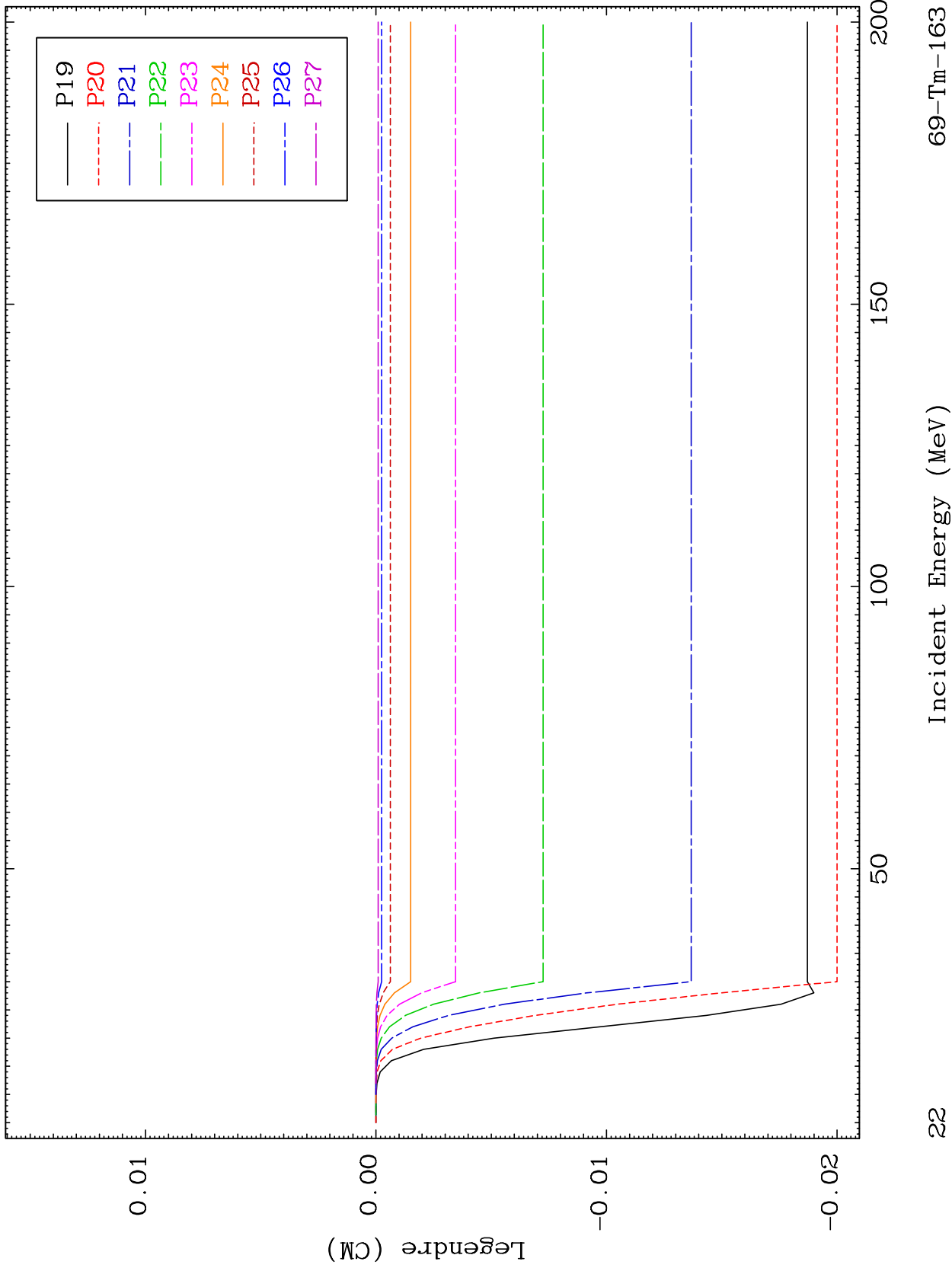
25

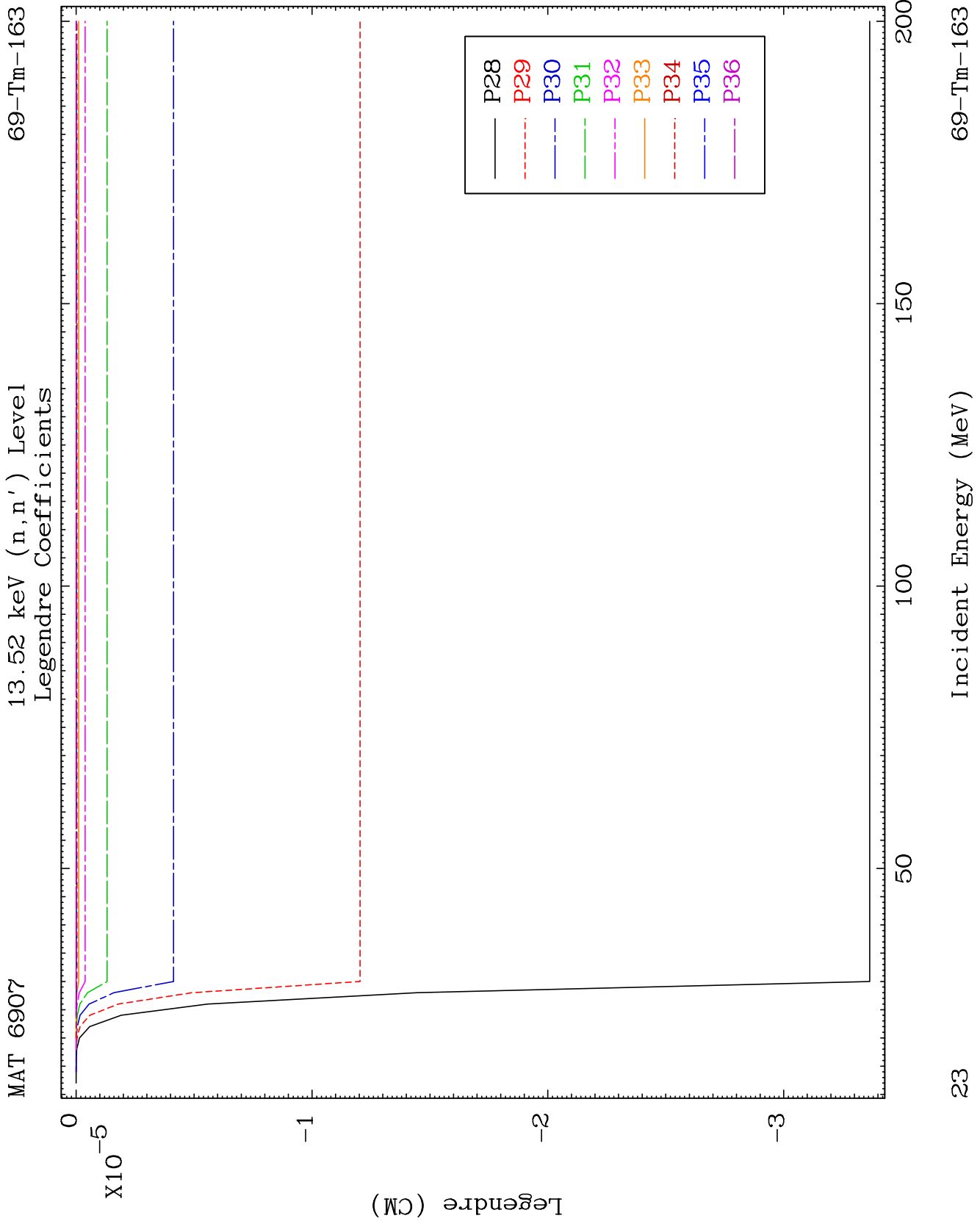
30

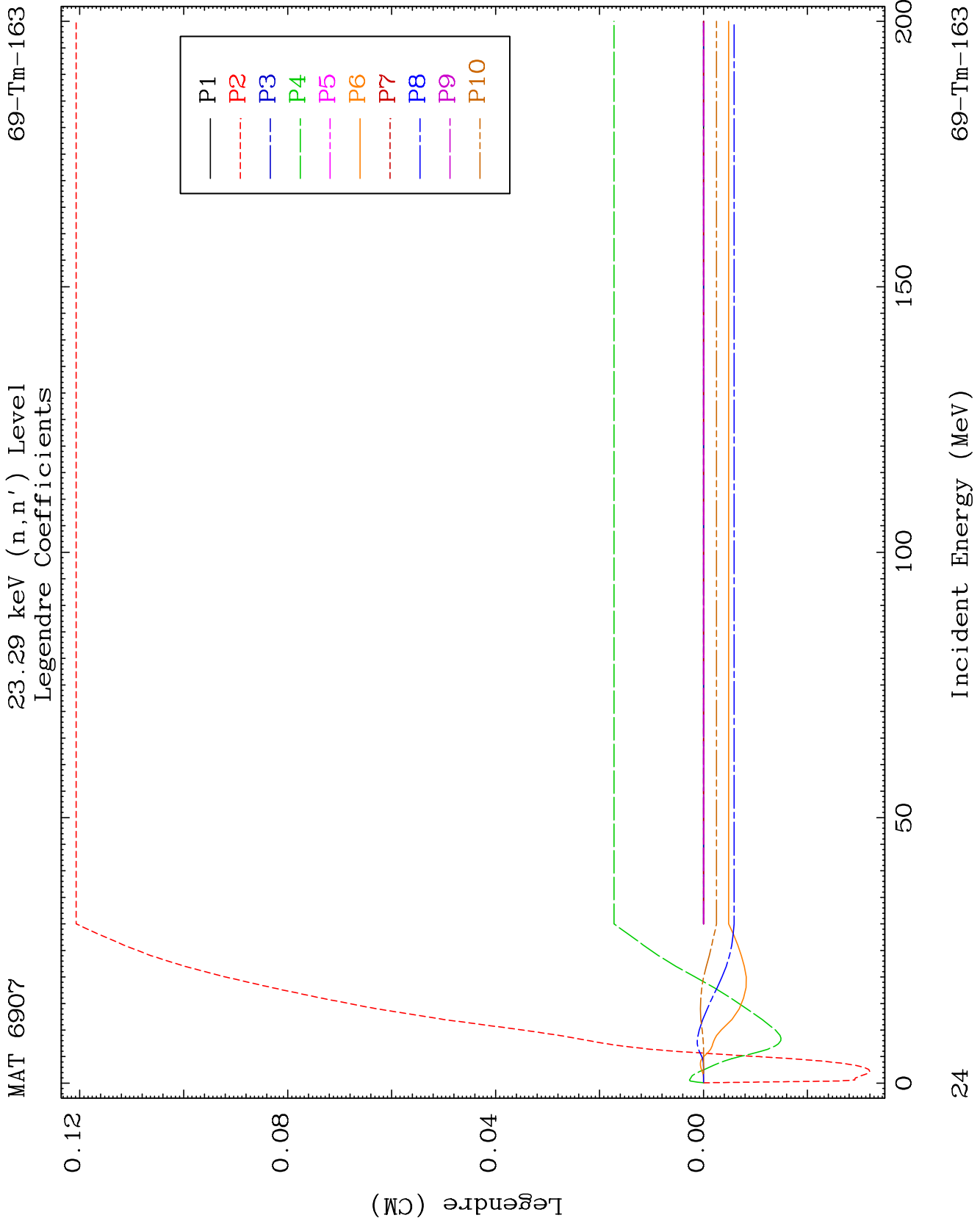
Incident Energy (MeV)

69-Tm-163





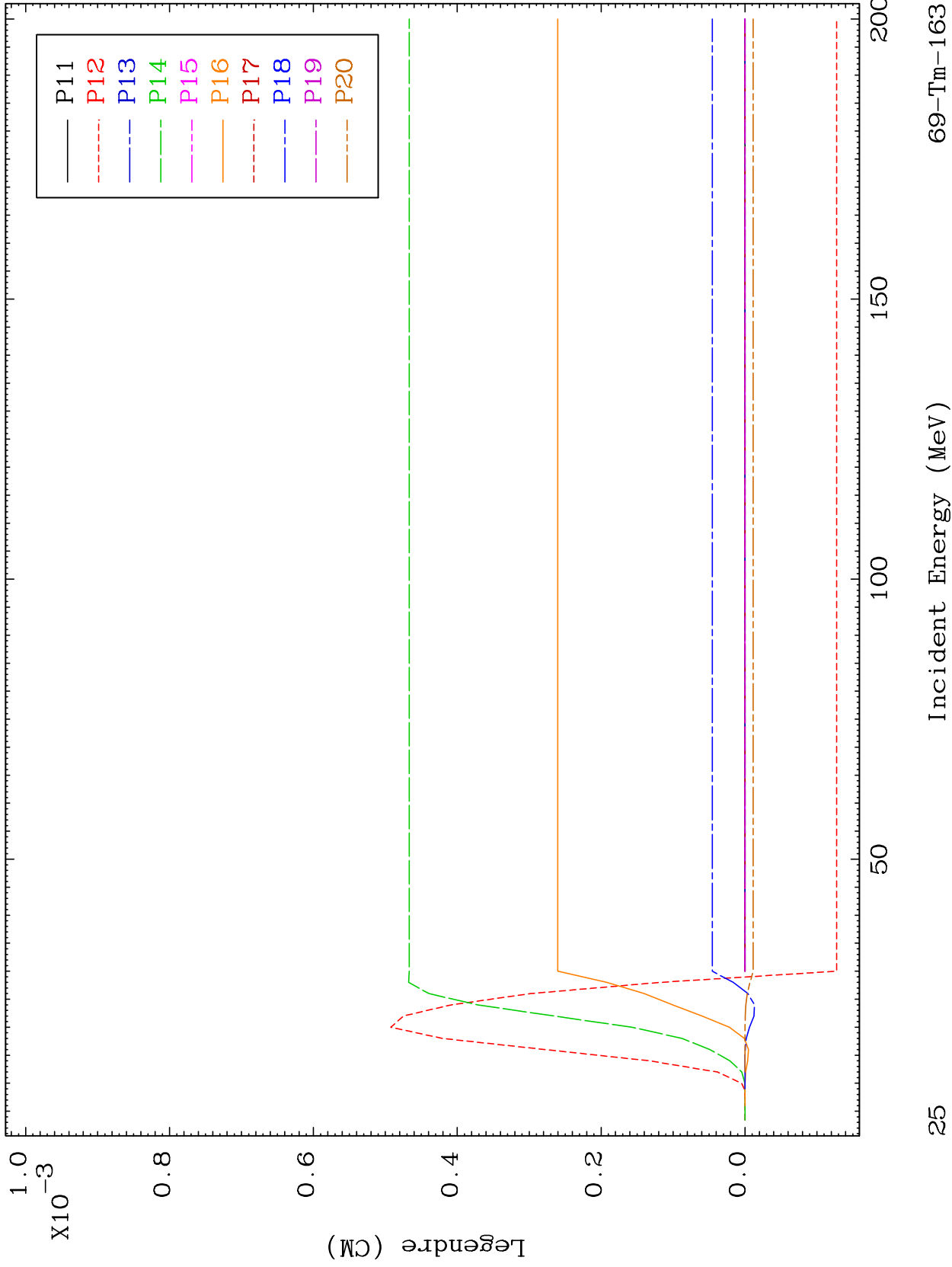




MAT 6907

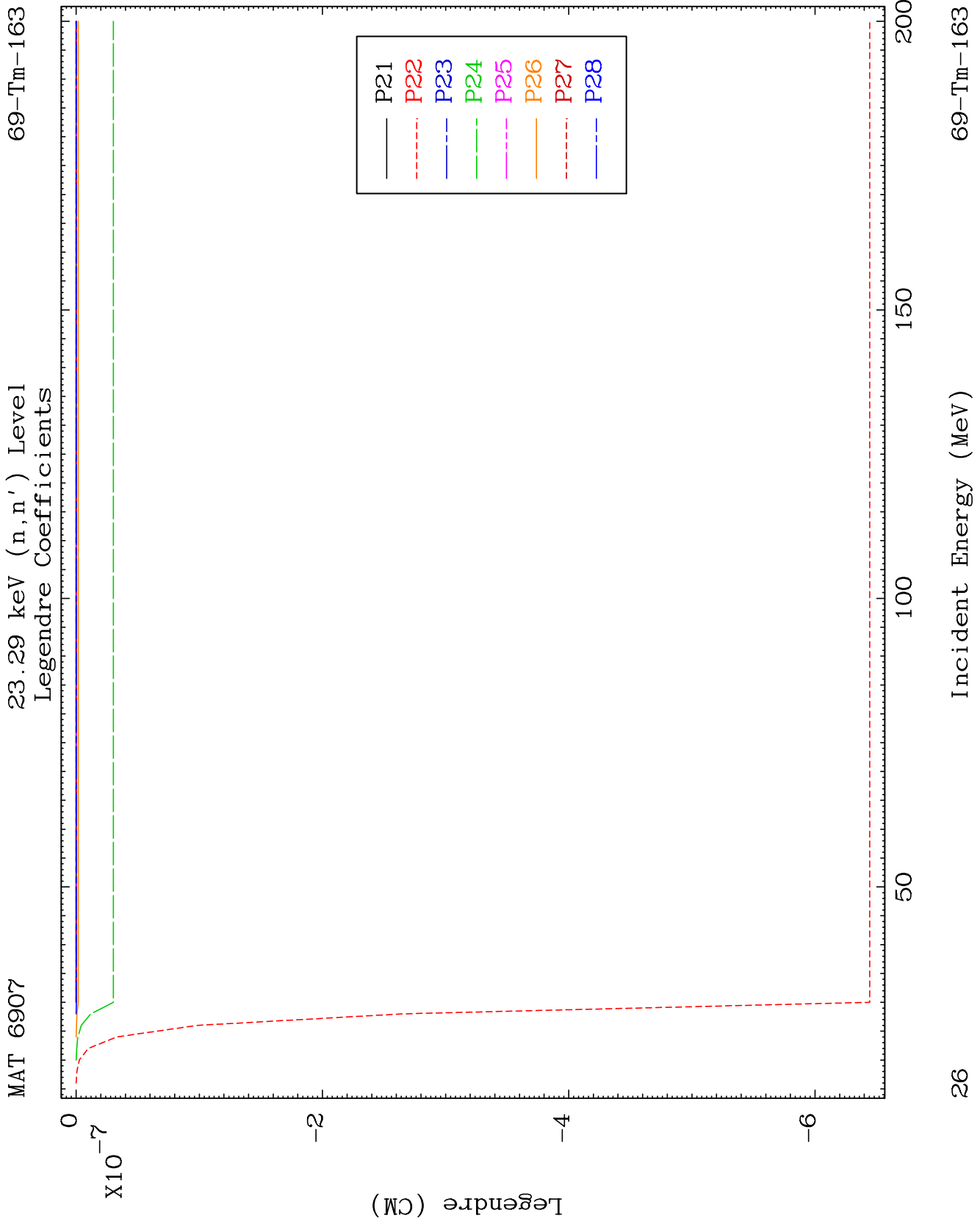
23.29 keV (n,n') Level
Legendre Coefficients

69-Tm-163



25

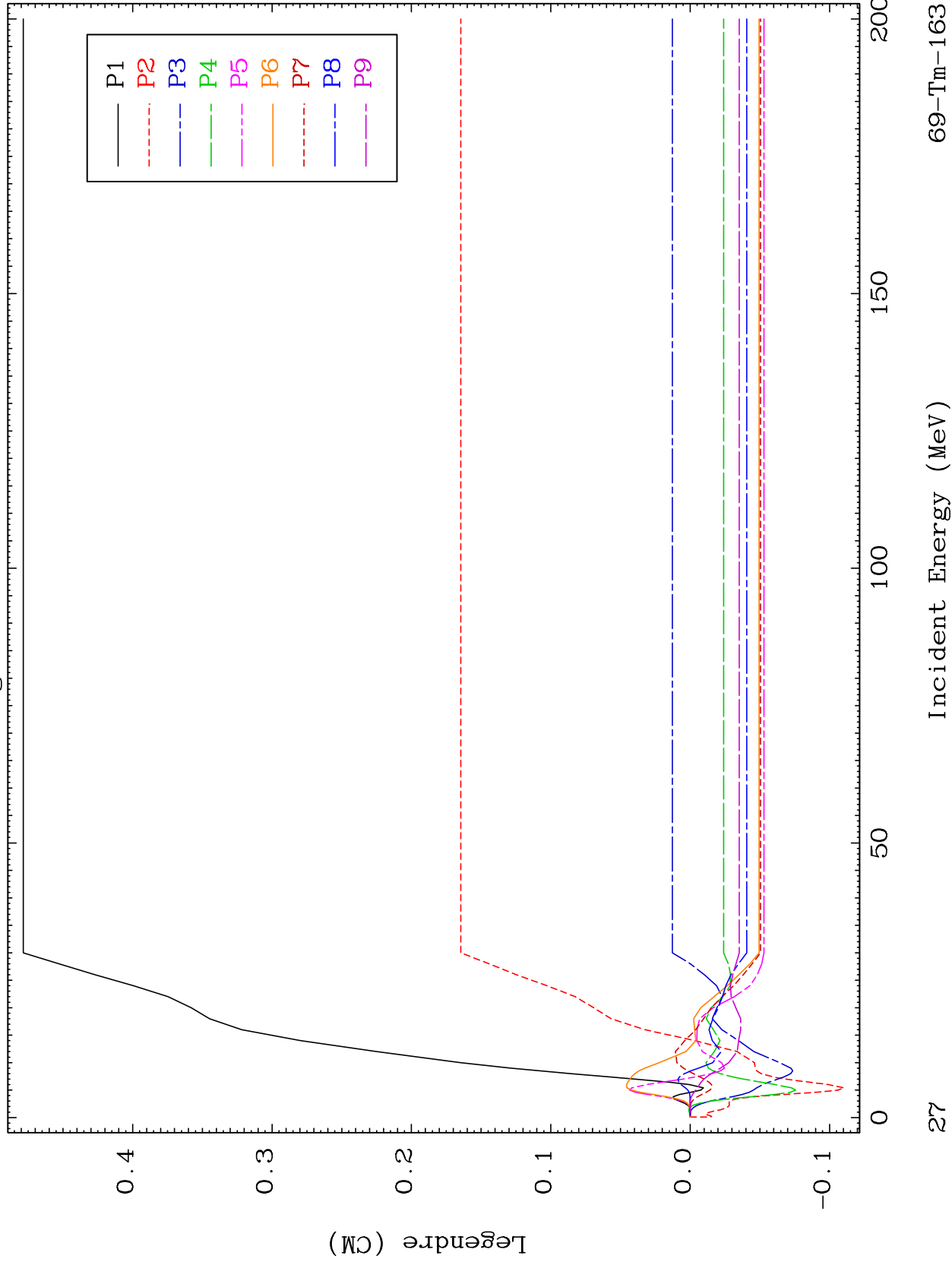
69-Tm-163



MAT 6907

86.92 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

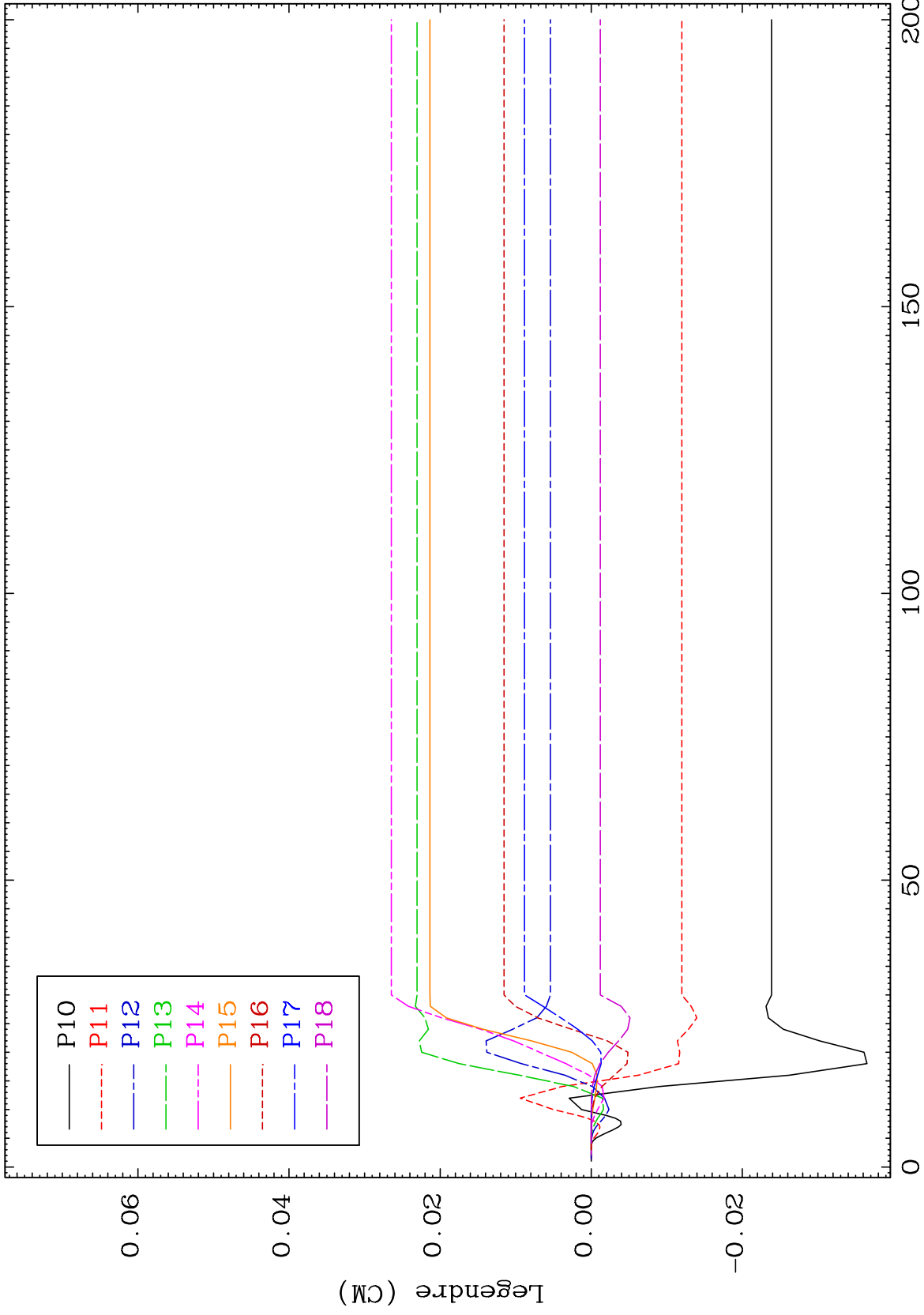
Incident Energy (MeV)

27

MAT 6907

86.92 keV (n,n') Level
Legendre Coefficients

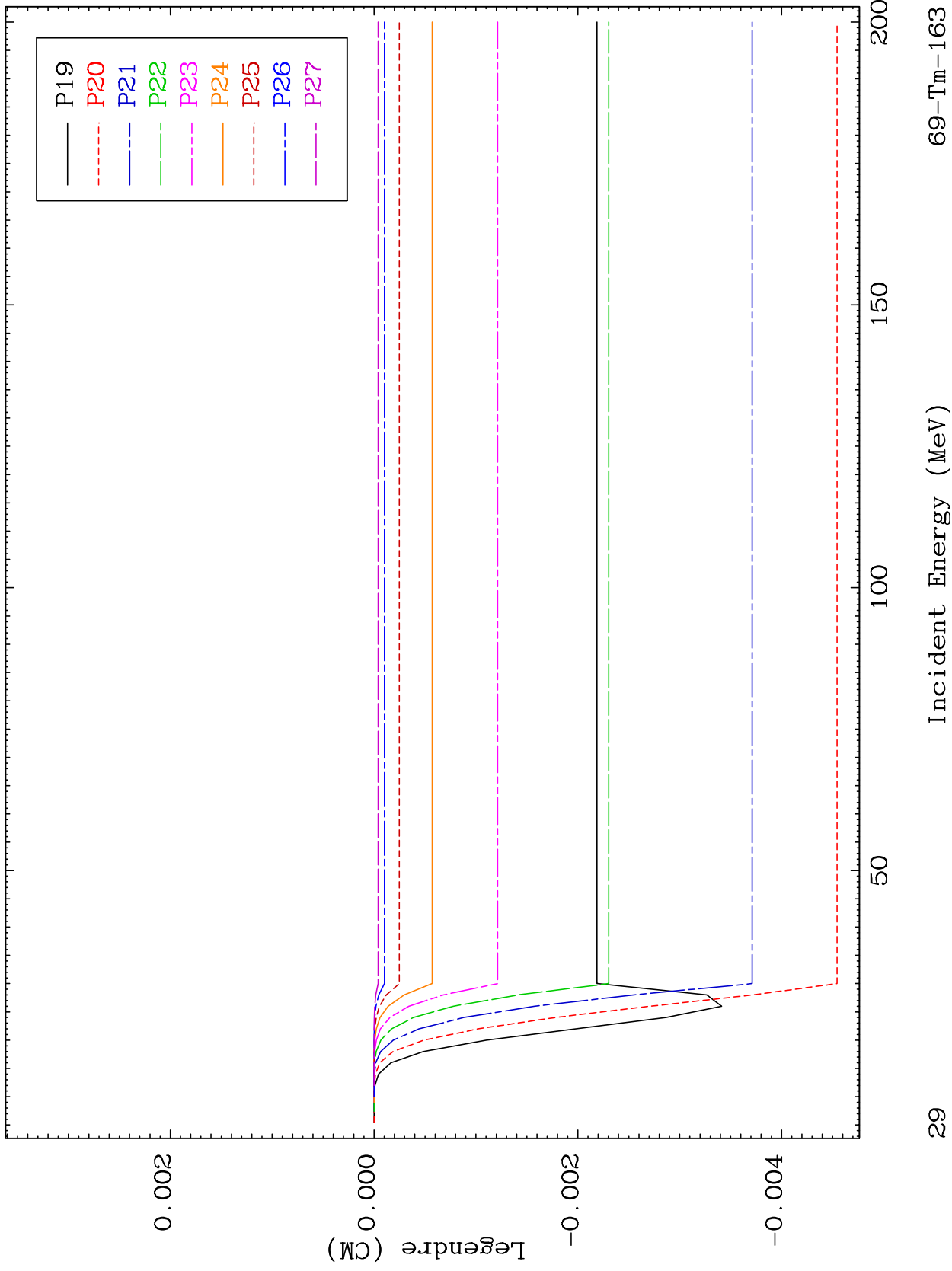
69-Tm-163

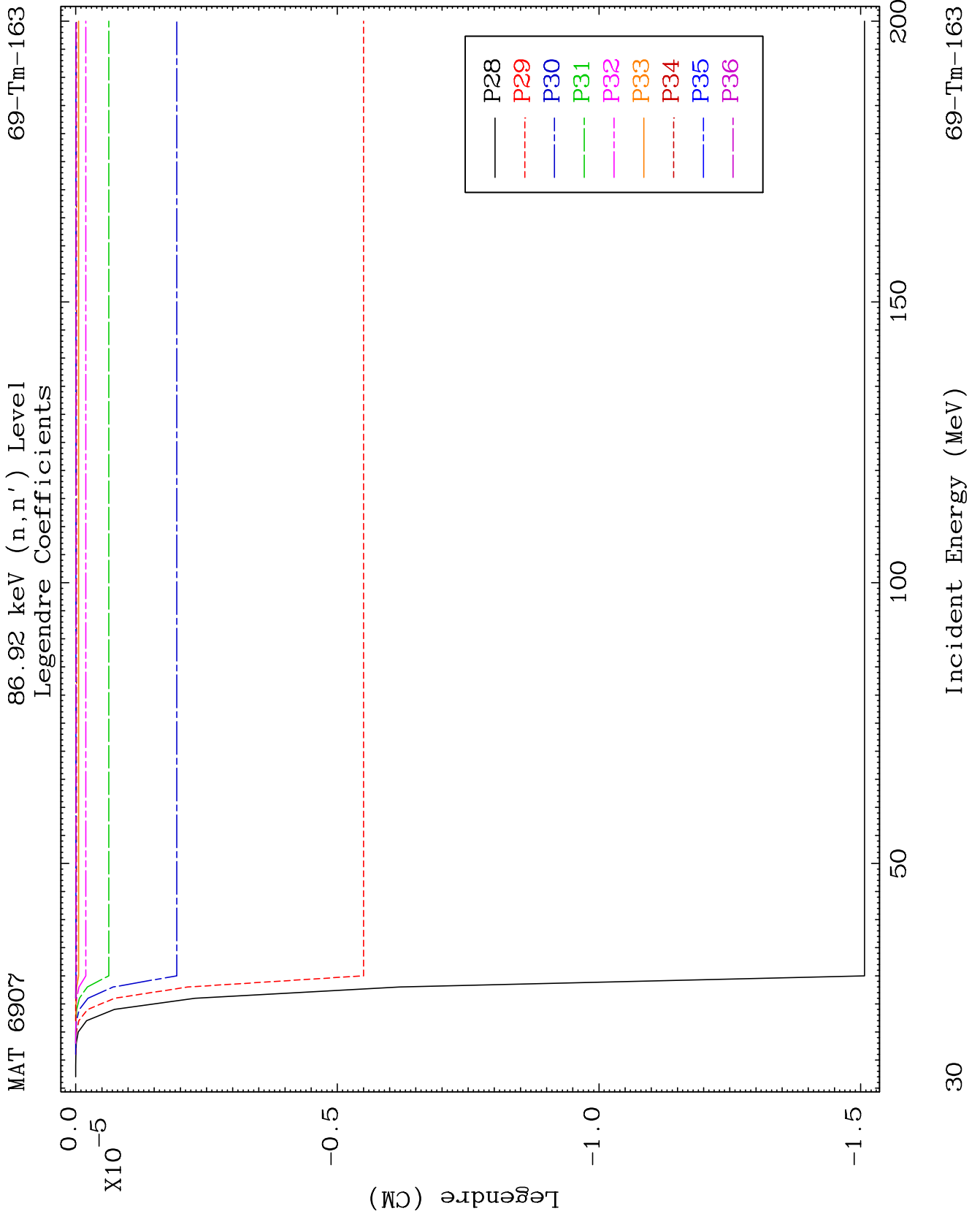


28

Incident Energy (MeV)

69-Tm-163

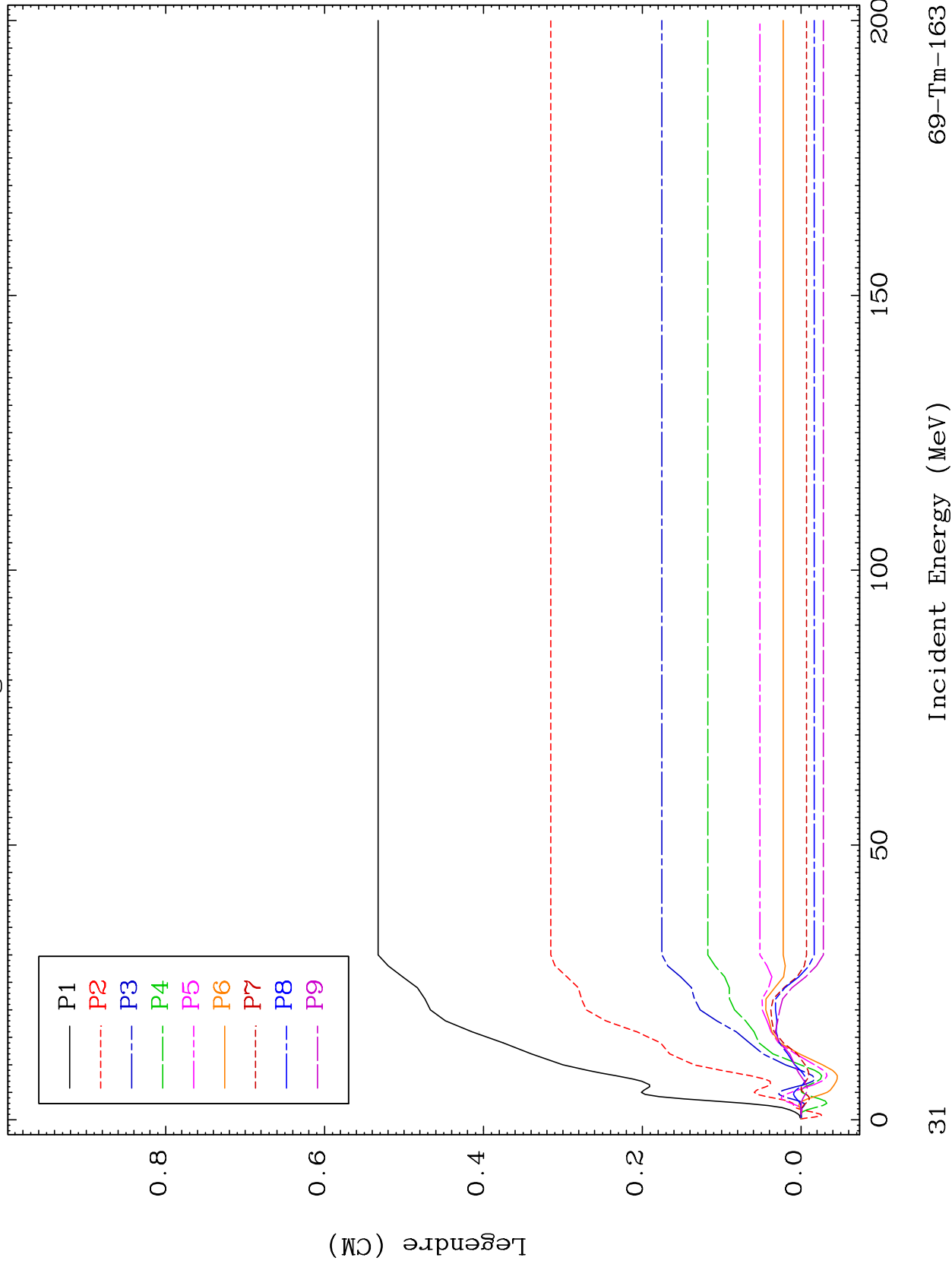




MAT 6907

136.7 keV (n, n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

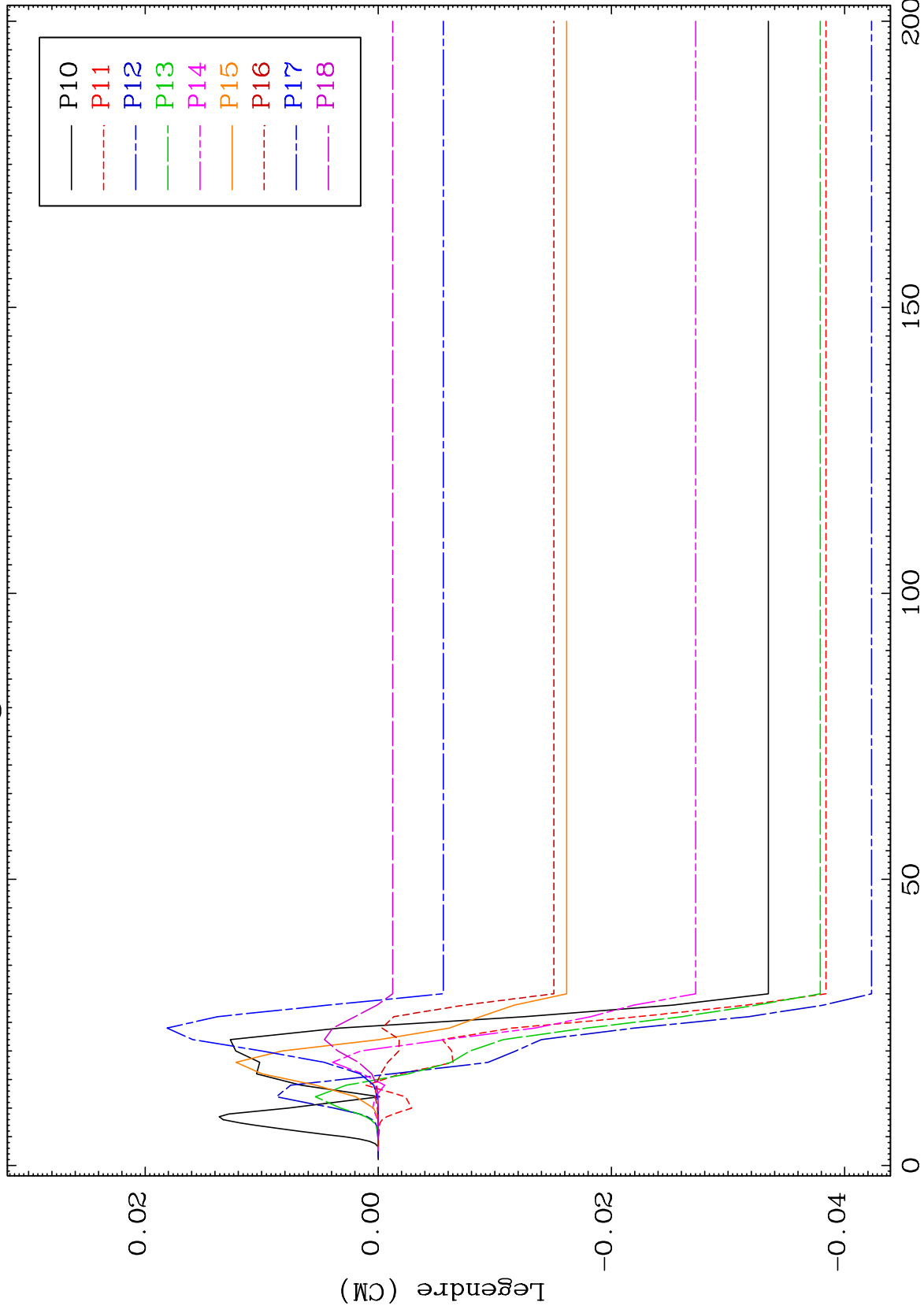
Incident Energy (MeV)

31

MAT 6907

136.7 keV (n,n') Level
Legendre Coefficients

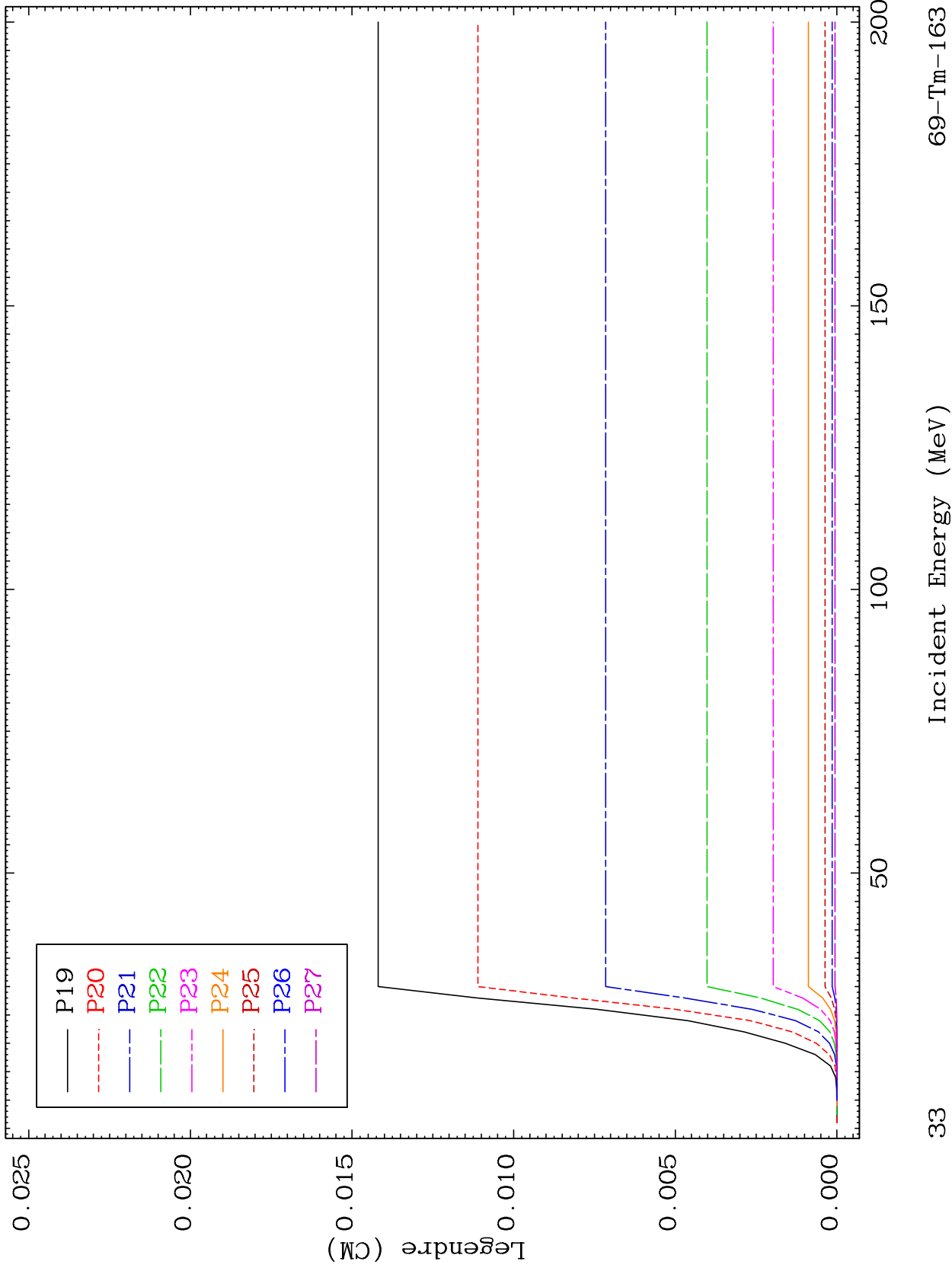
69-Tm-163

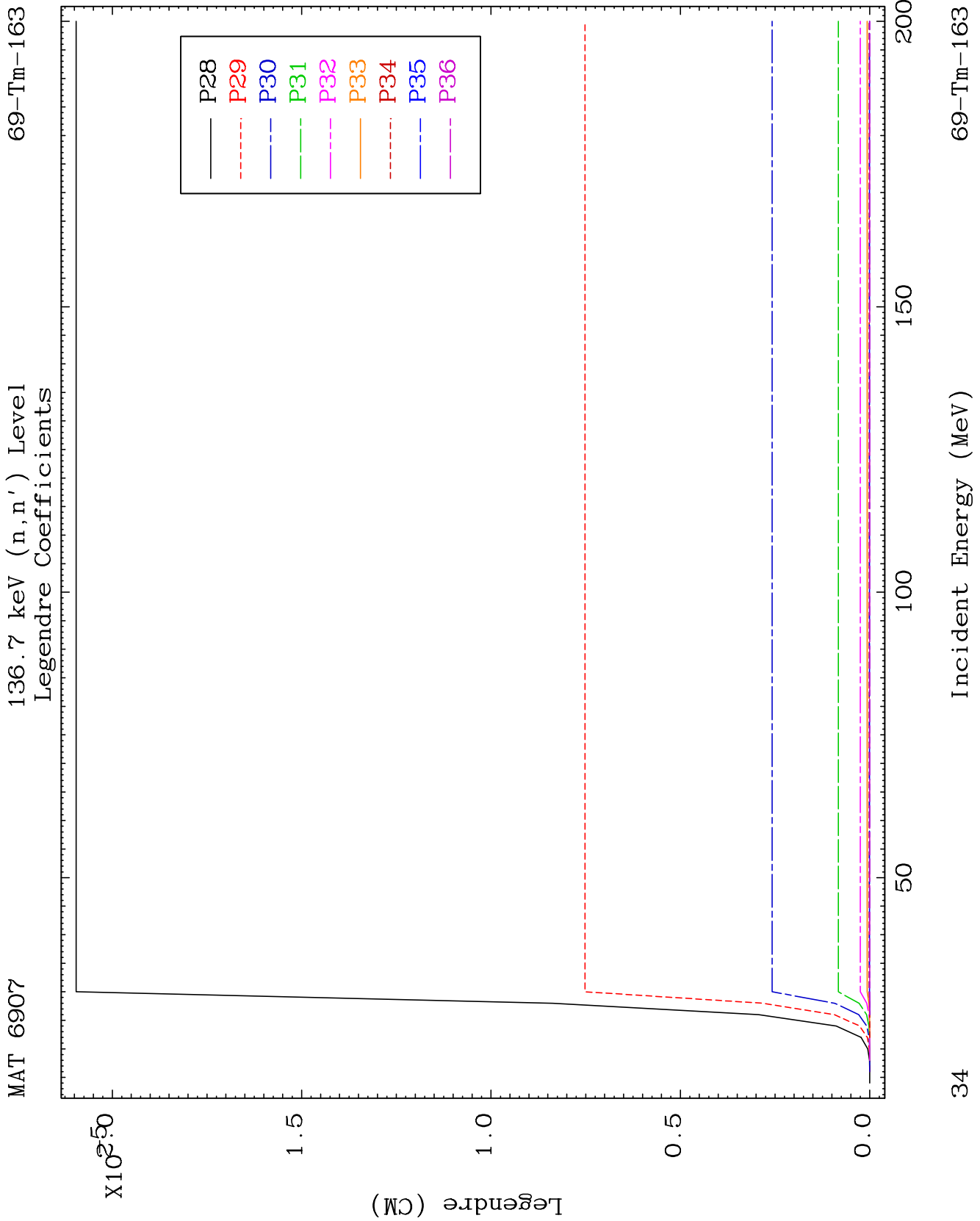


32

Incident Energy (MeV)

69-Tm-163

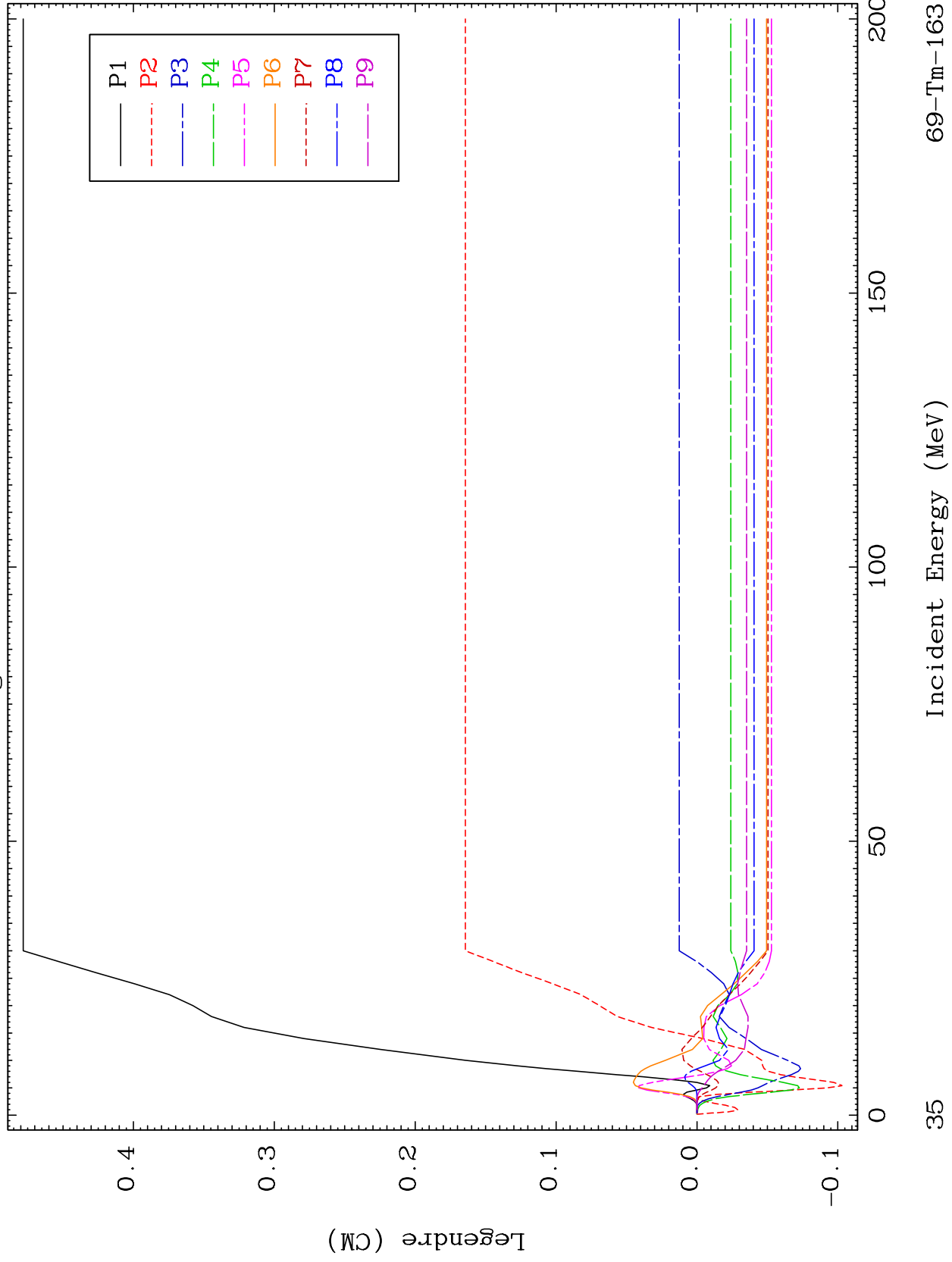




MAT 6907

144.4 keV (n,n') Level
Legendre Coefficients

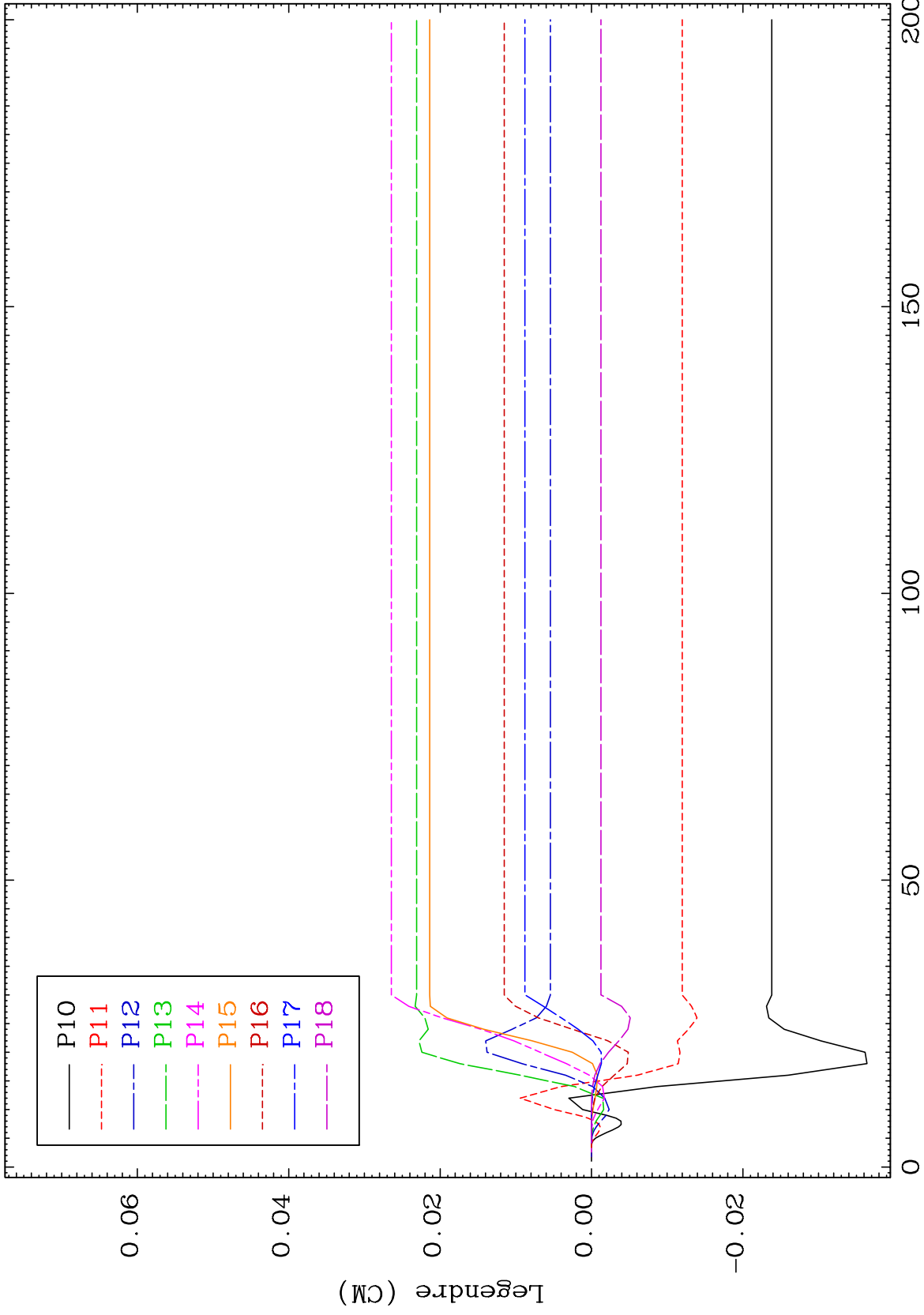
69-Tm-163



69-Tm-163

Incident Energy (MeV)

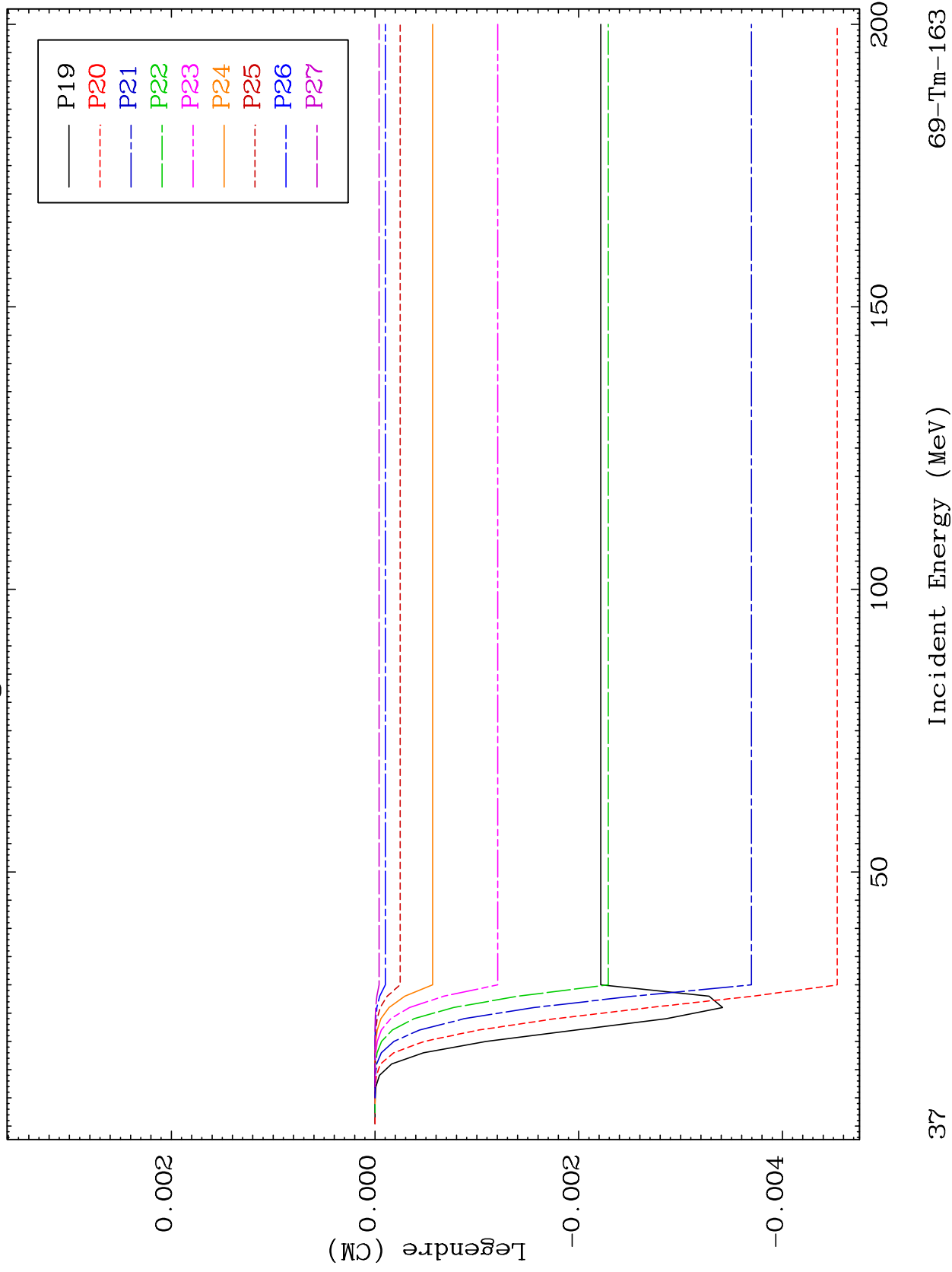
35



MAT 6907

144.4 keV (n,n') Level
Legendre Coefficients

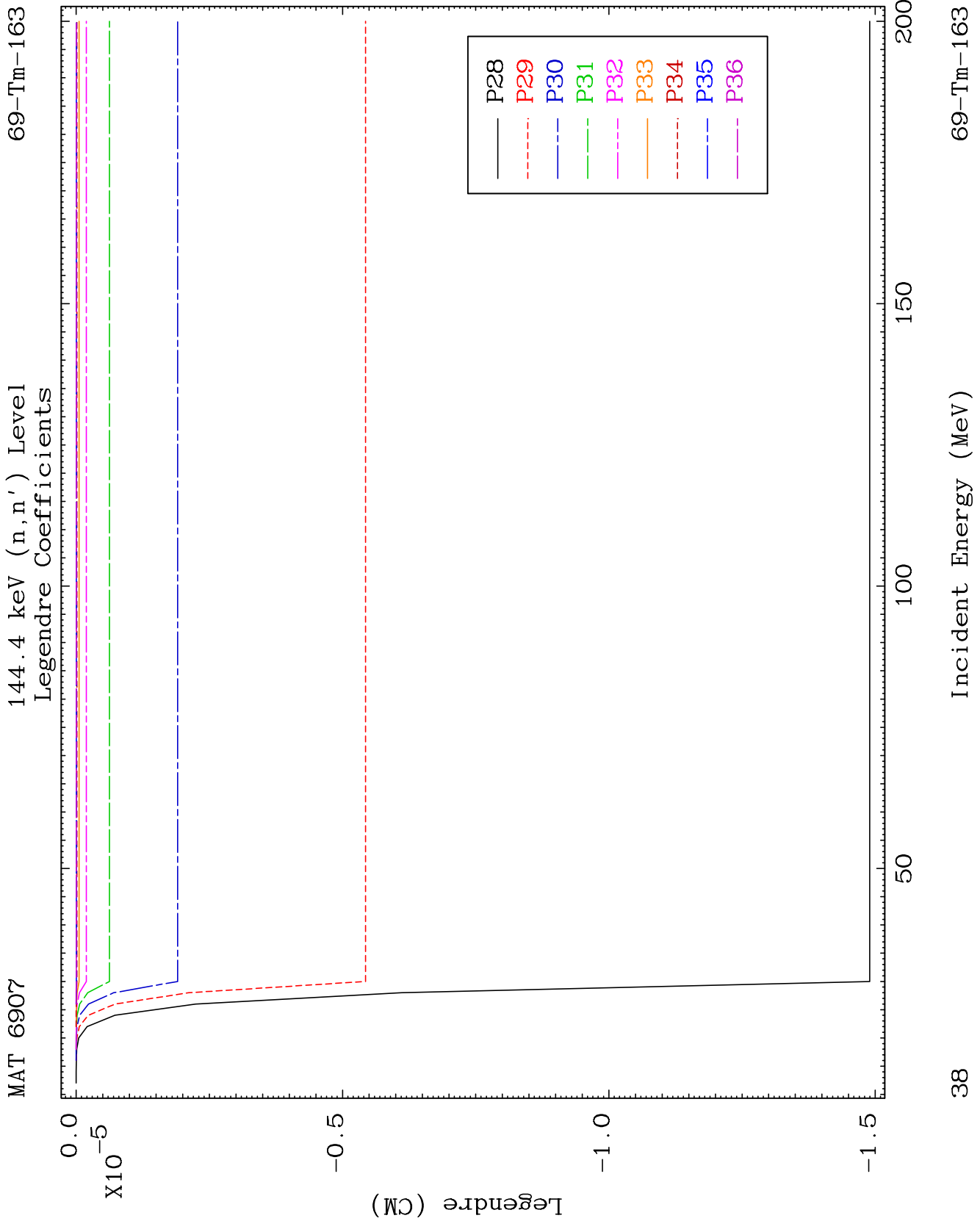
69-Tm-163

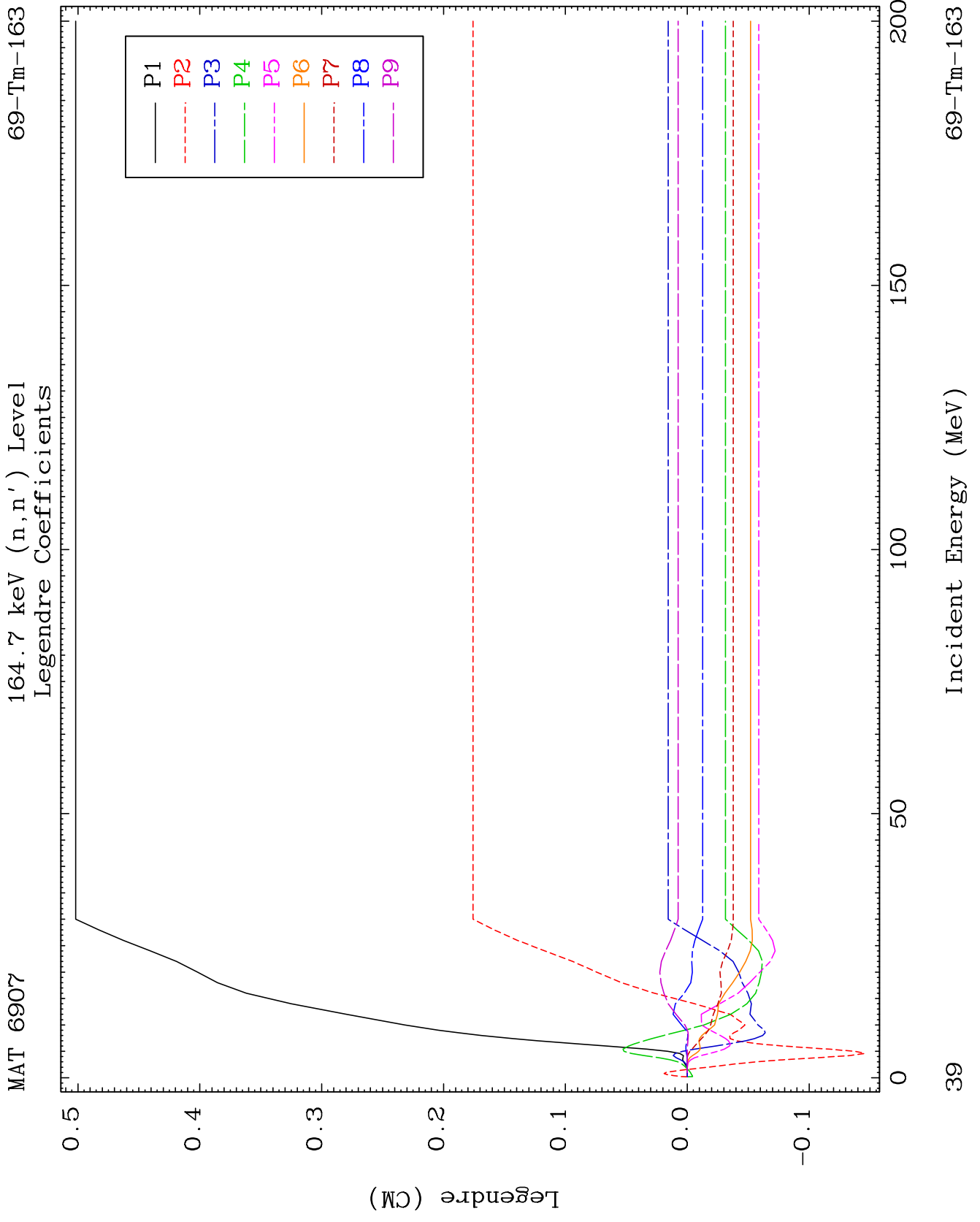


37

Incident Energy (MeV)

69-Tm-163

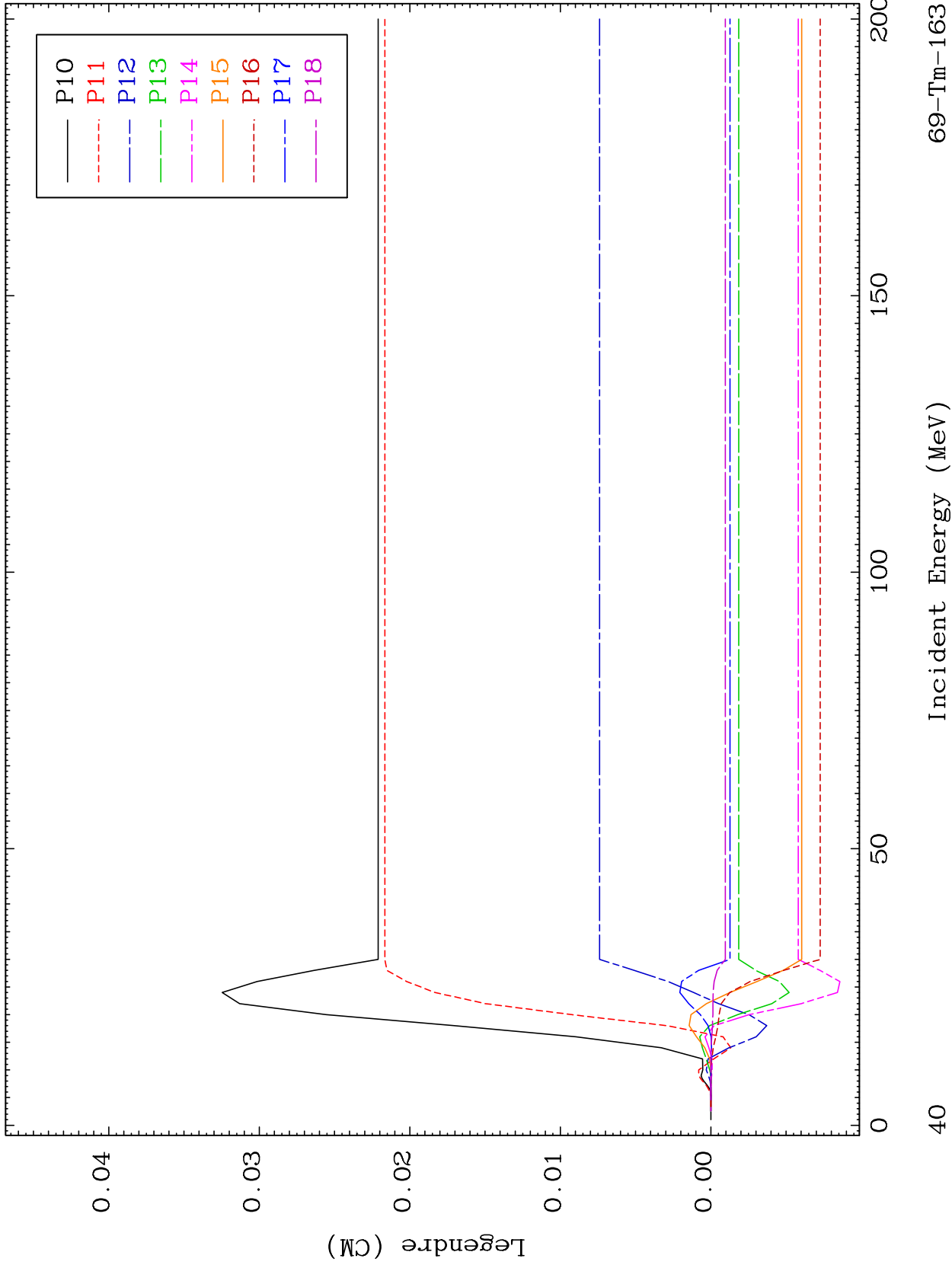




MAT 6907

164.7 keV (n,n') Level
Legendre Coefficients

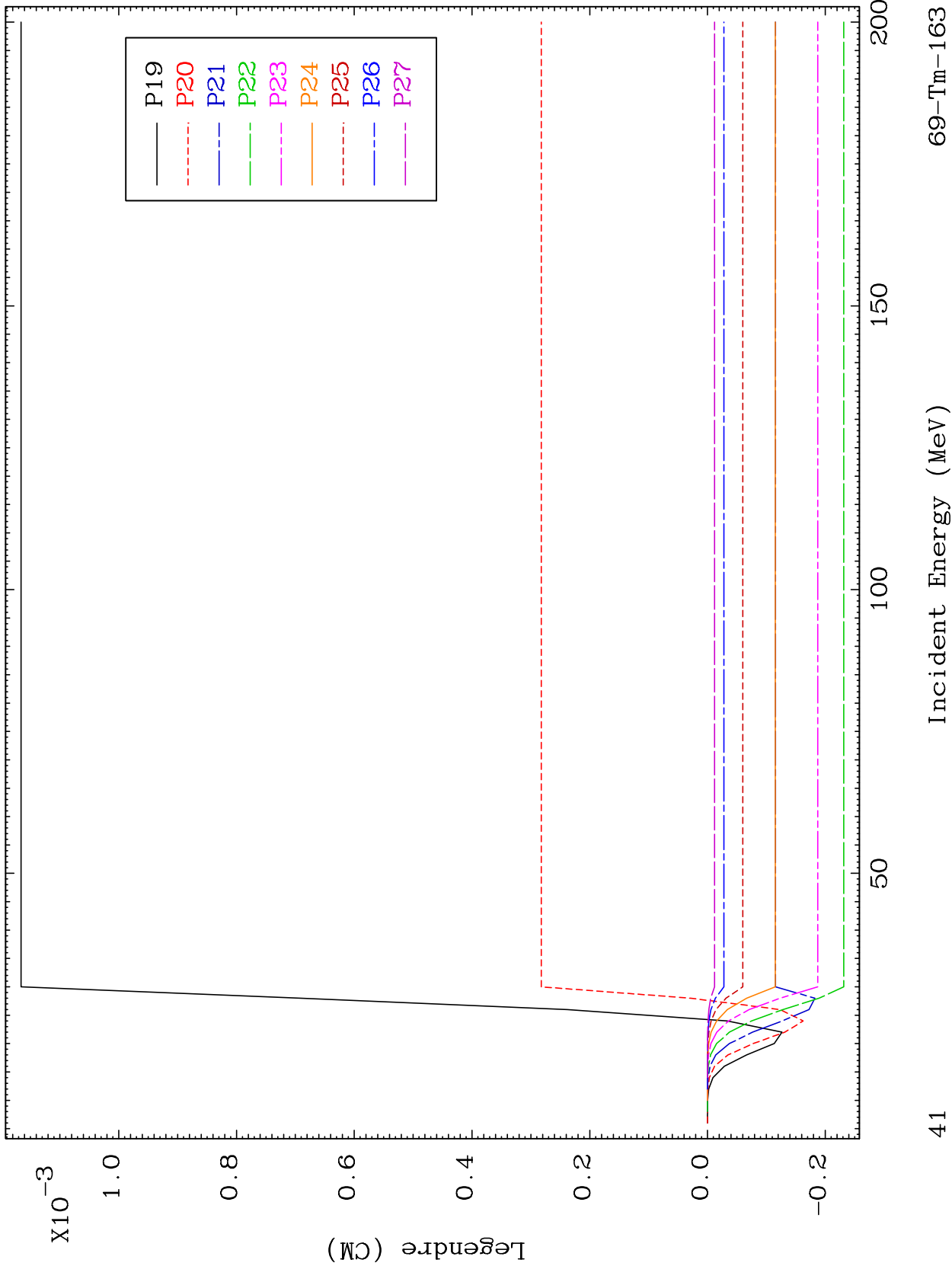
69-Tm-163

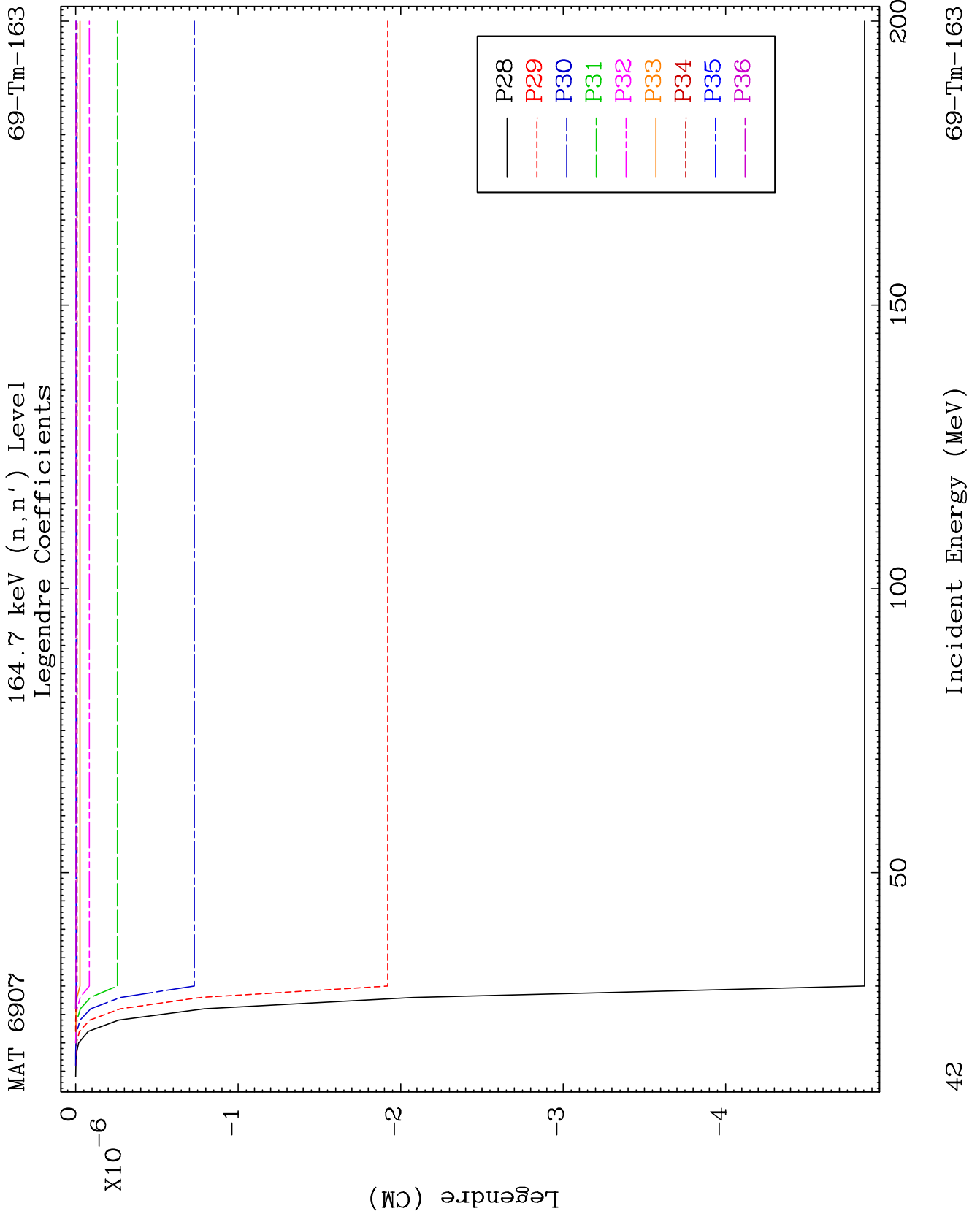


69-Tm-163

Incident Energy (MeV)

40

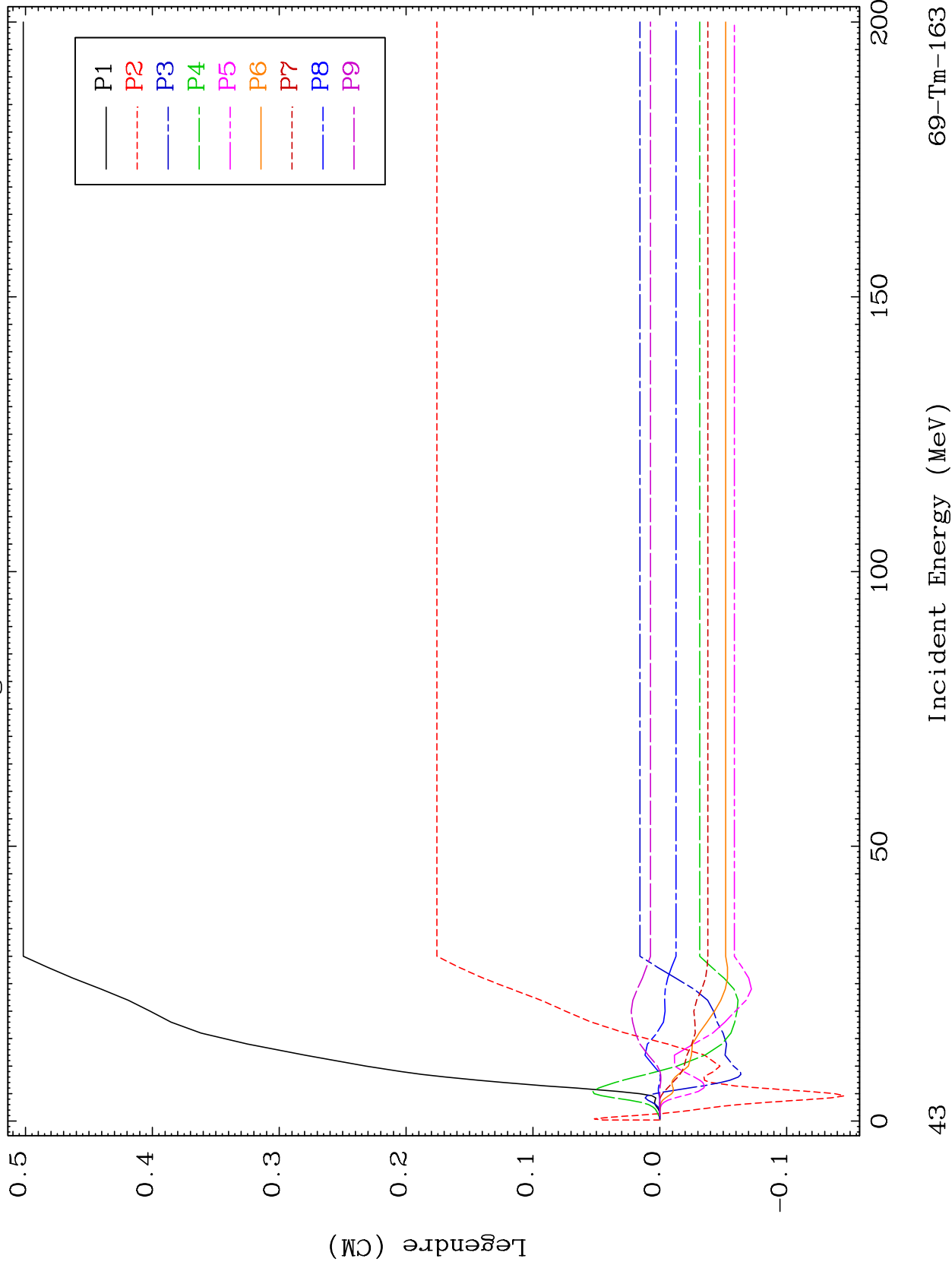




MAT 6907

174.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

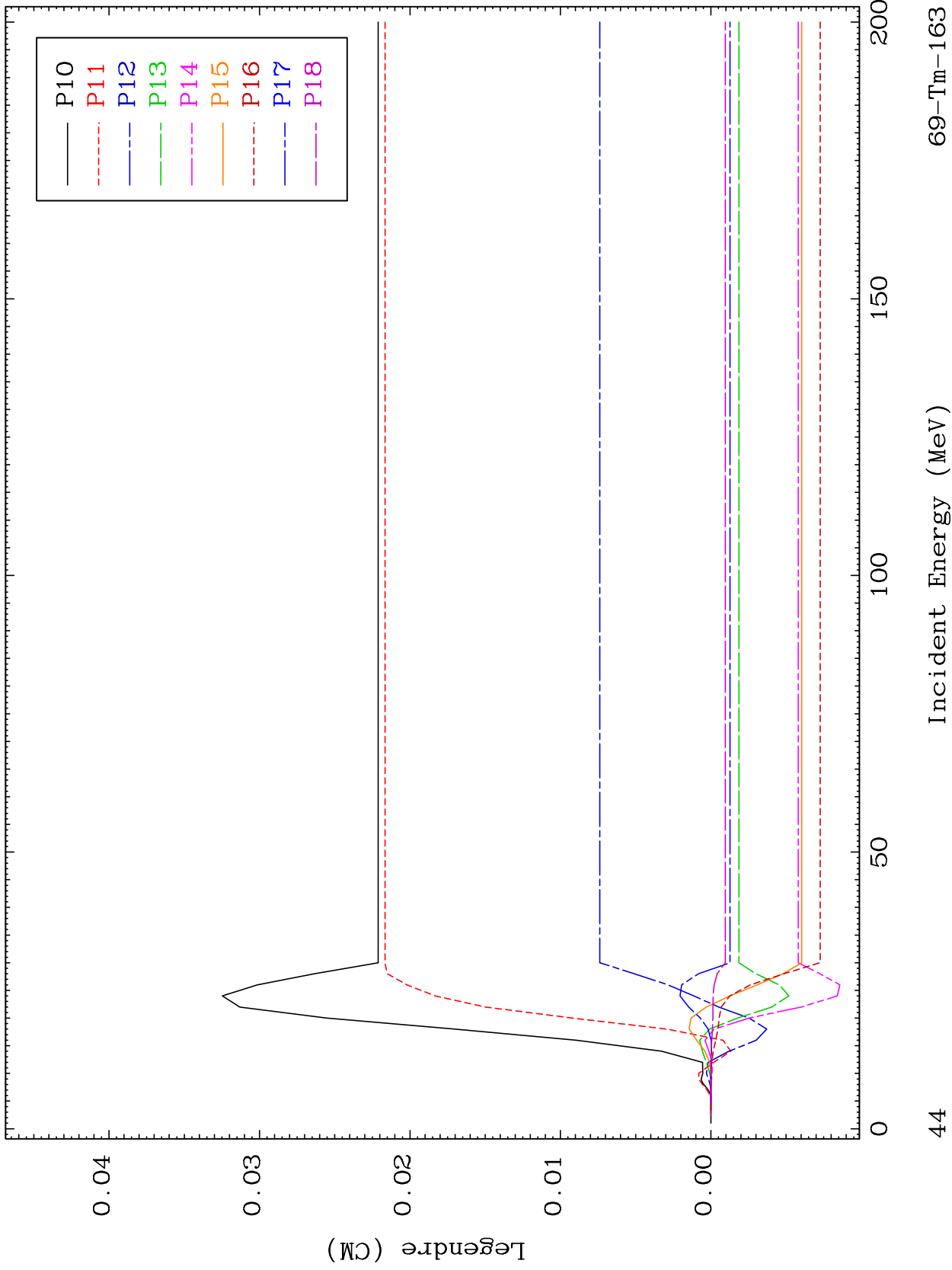
Incident Energy (MeV)

43

MAT 6907

174.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

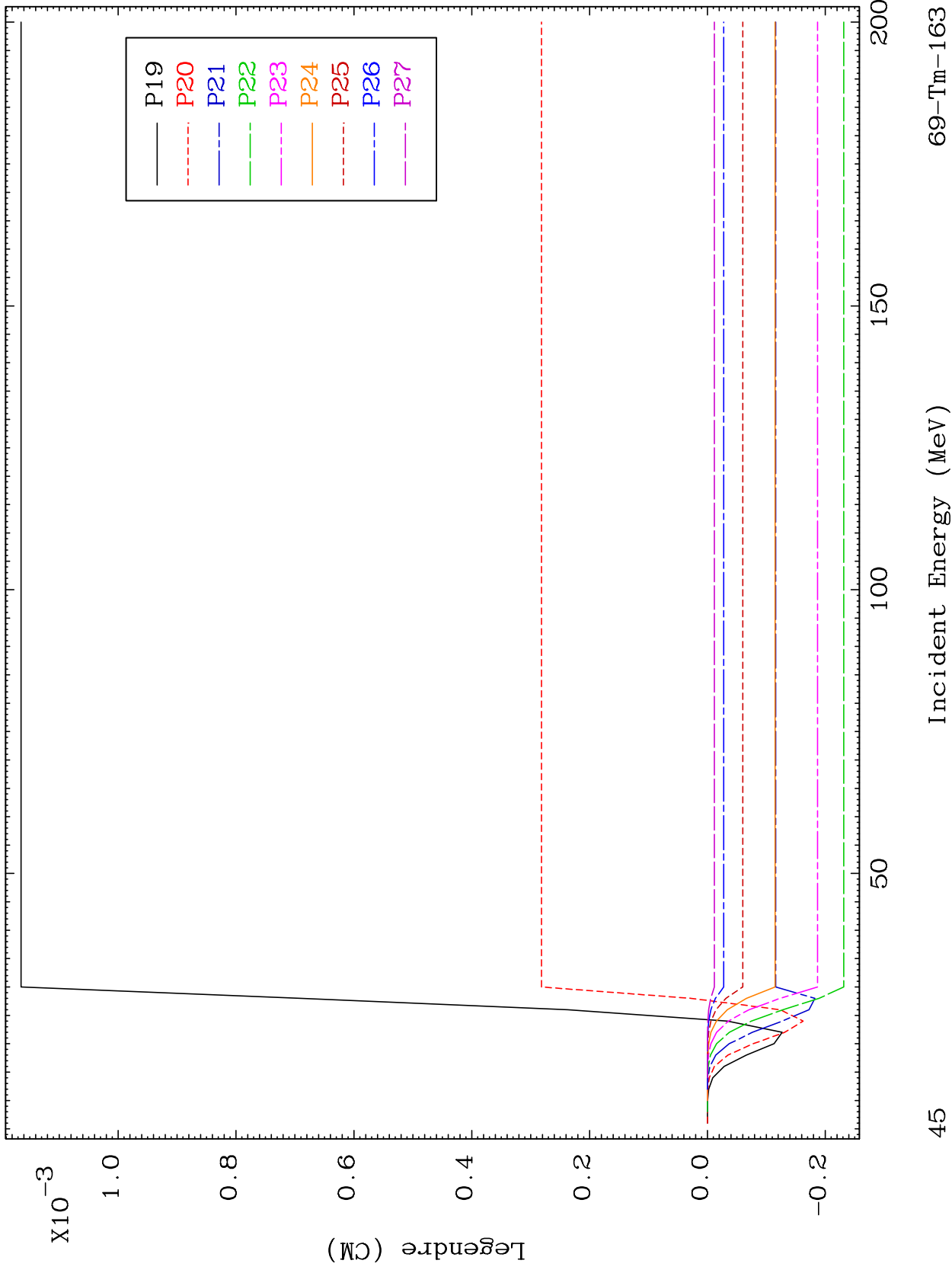
Incident Energy (MeV)

44

MAT 6907

174.6 keV (n,n') Level
Legendre Coefficients

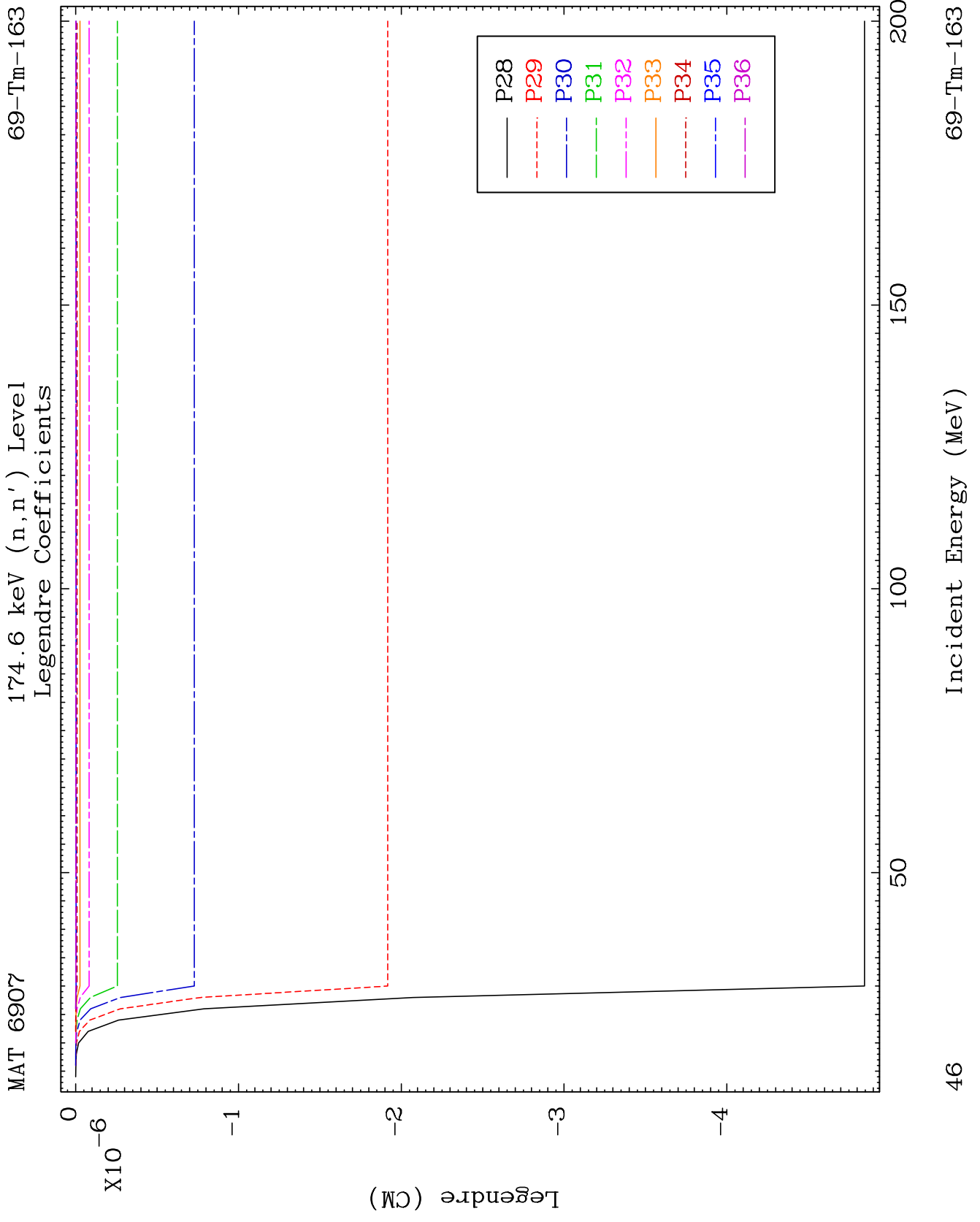
69-Tm-163



45

Incident Energy (MeV)

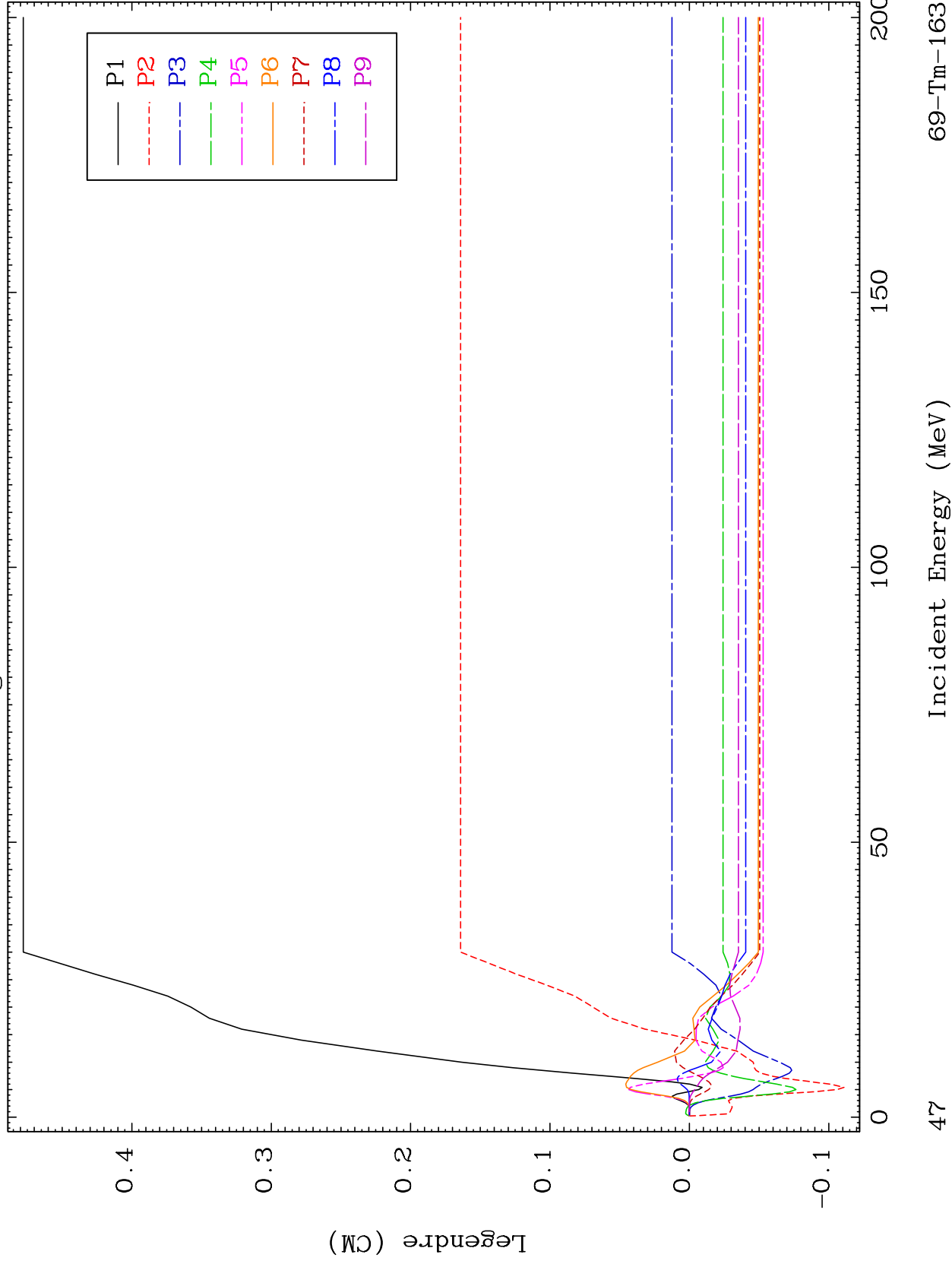
69-Tm-163



MAT 6907

196.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

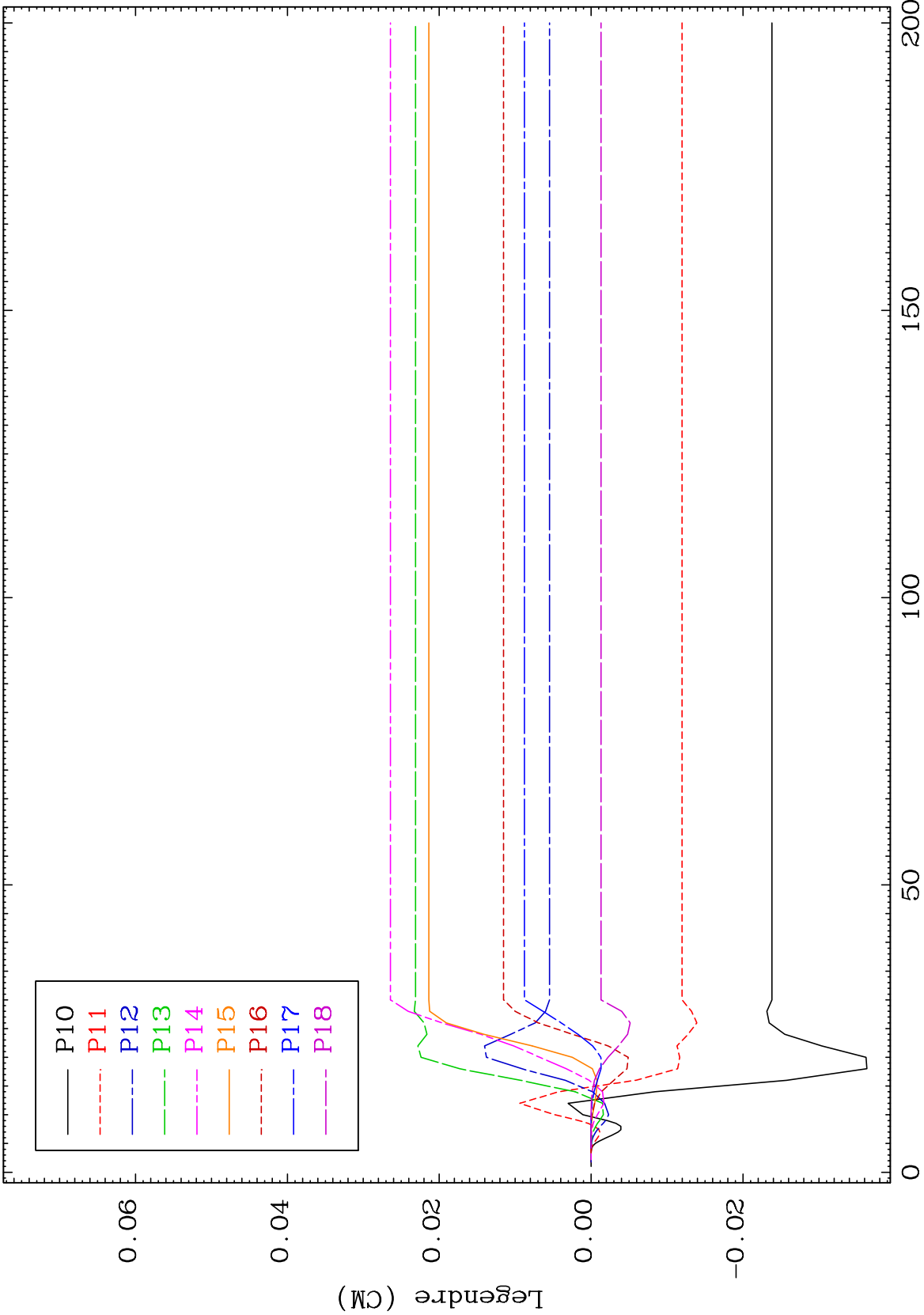
Incident Energy (MeV)

47

MAT 6907

196.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



48

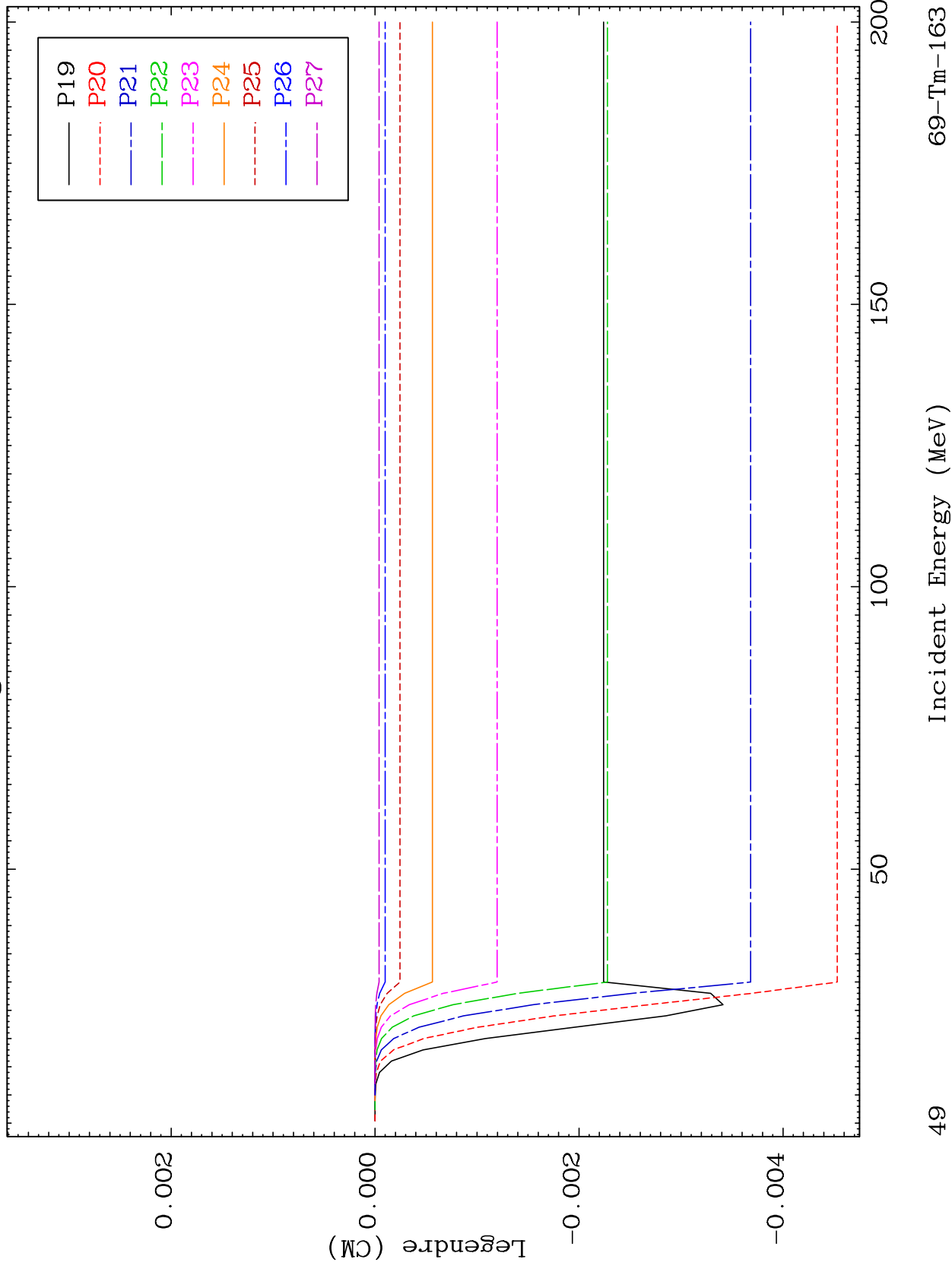
Incident Energy (MeV)

69-Tm-163

MAT 6907

196.1 keV (n,n') Level
Legendre Coefficients

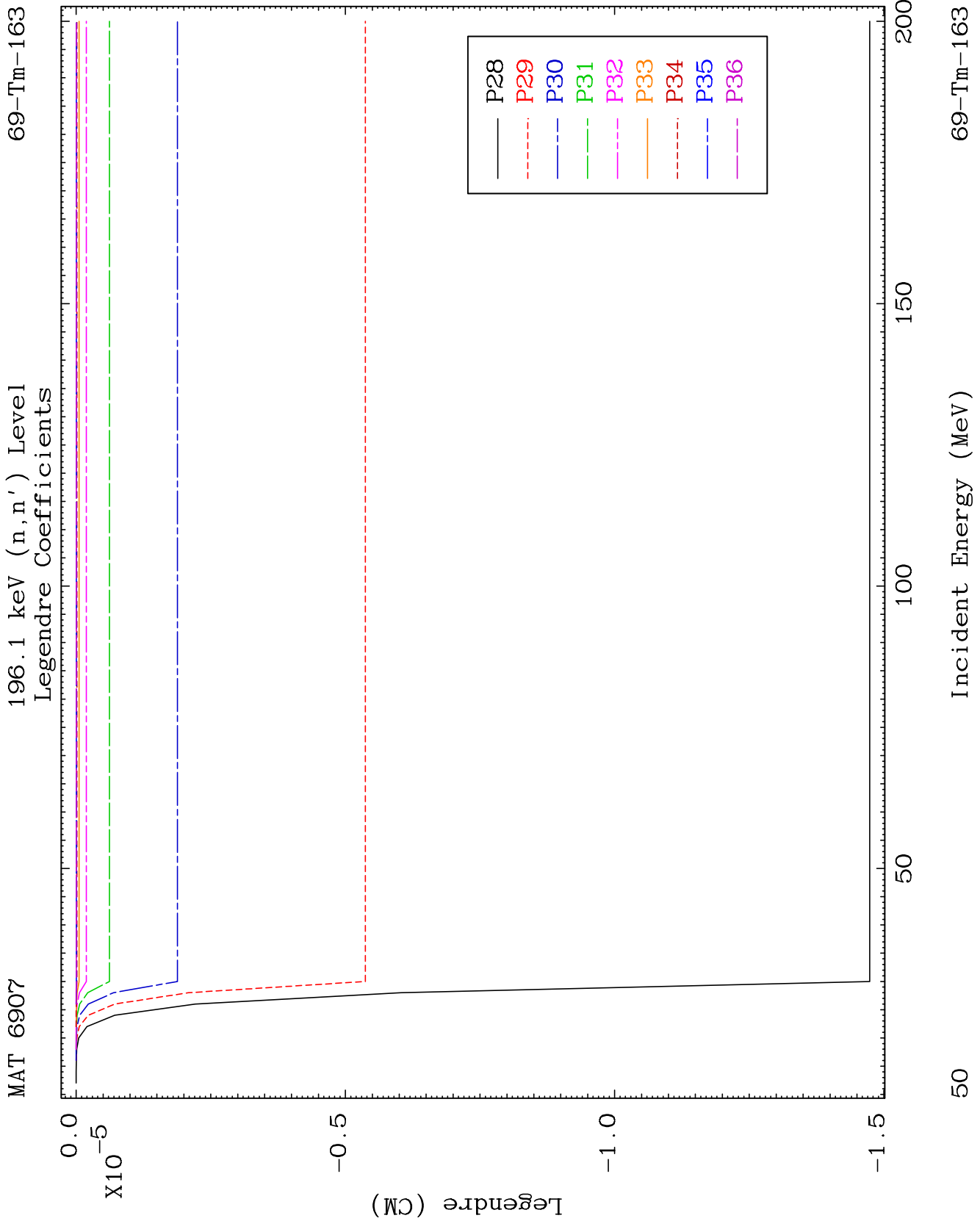
69-Tm-163

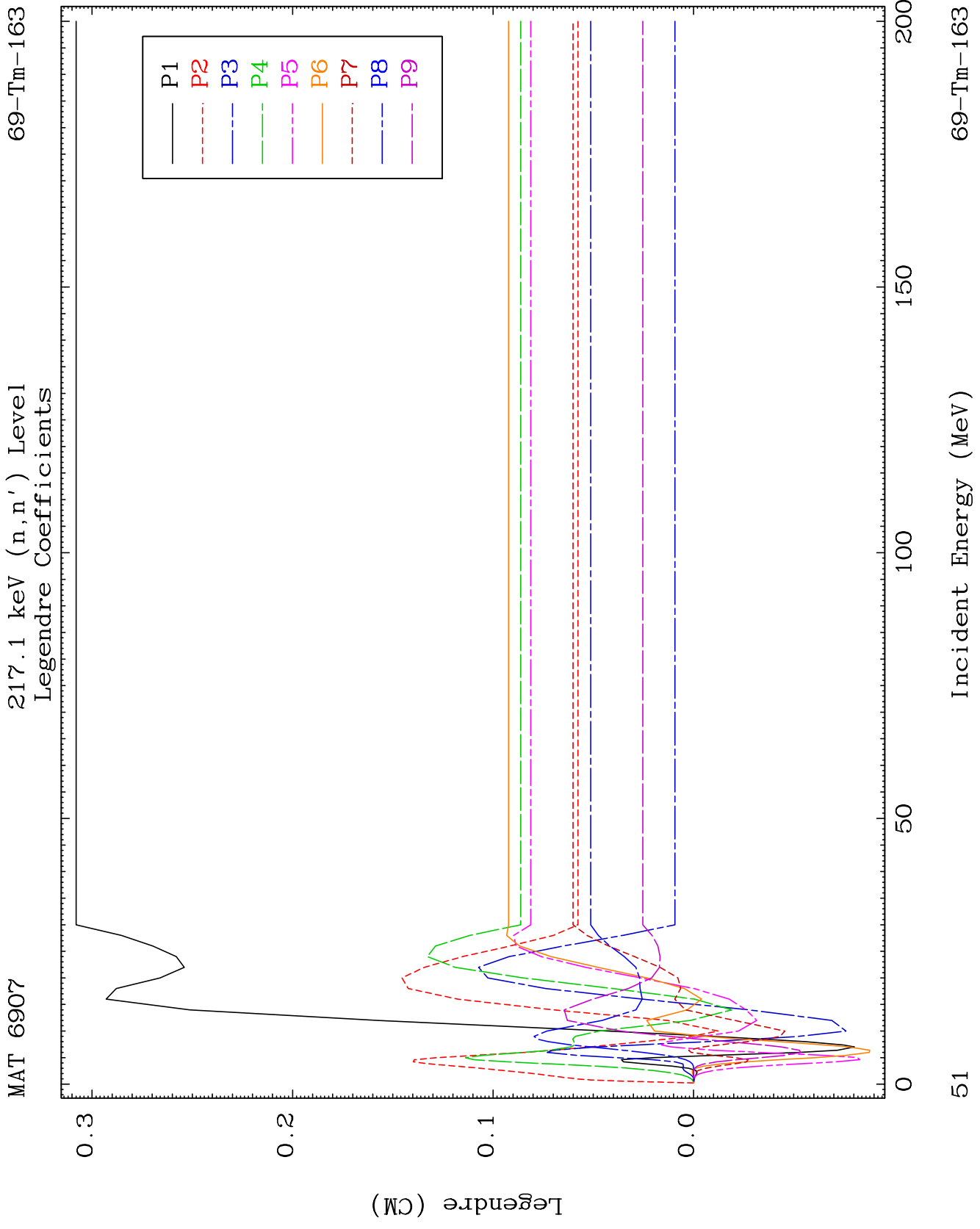


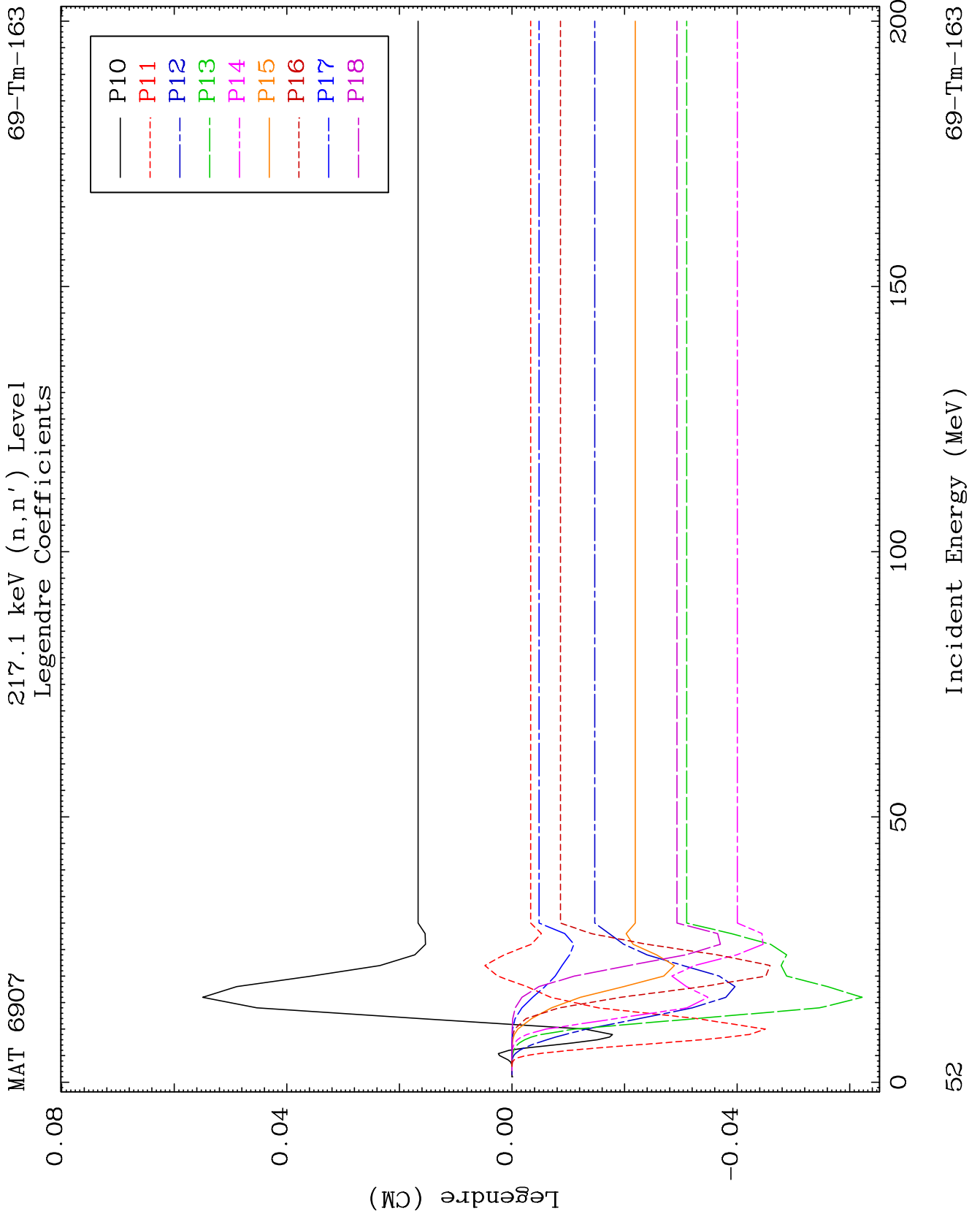
49

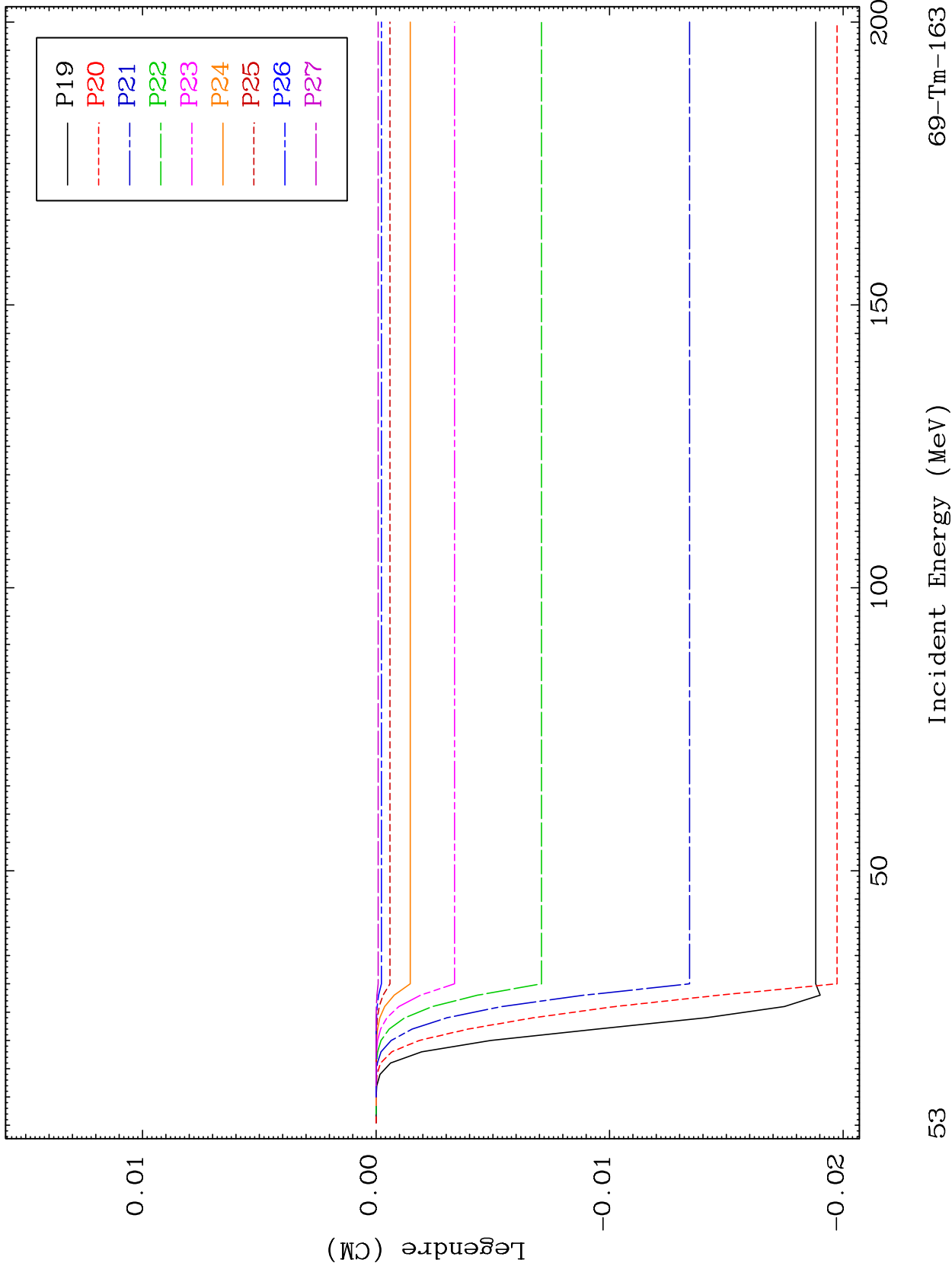
Incident Energy (MeV)

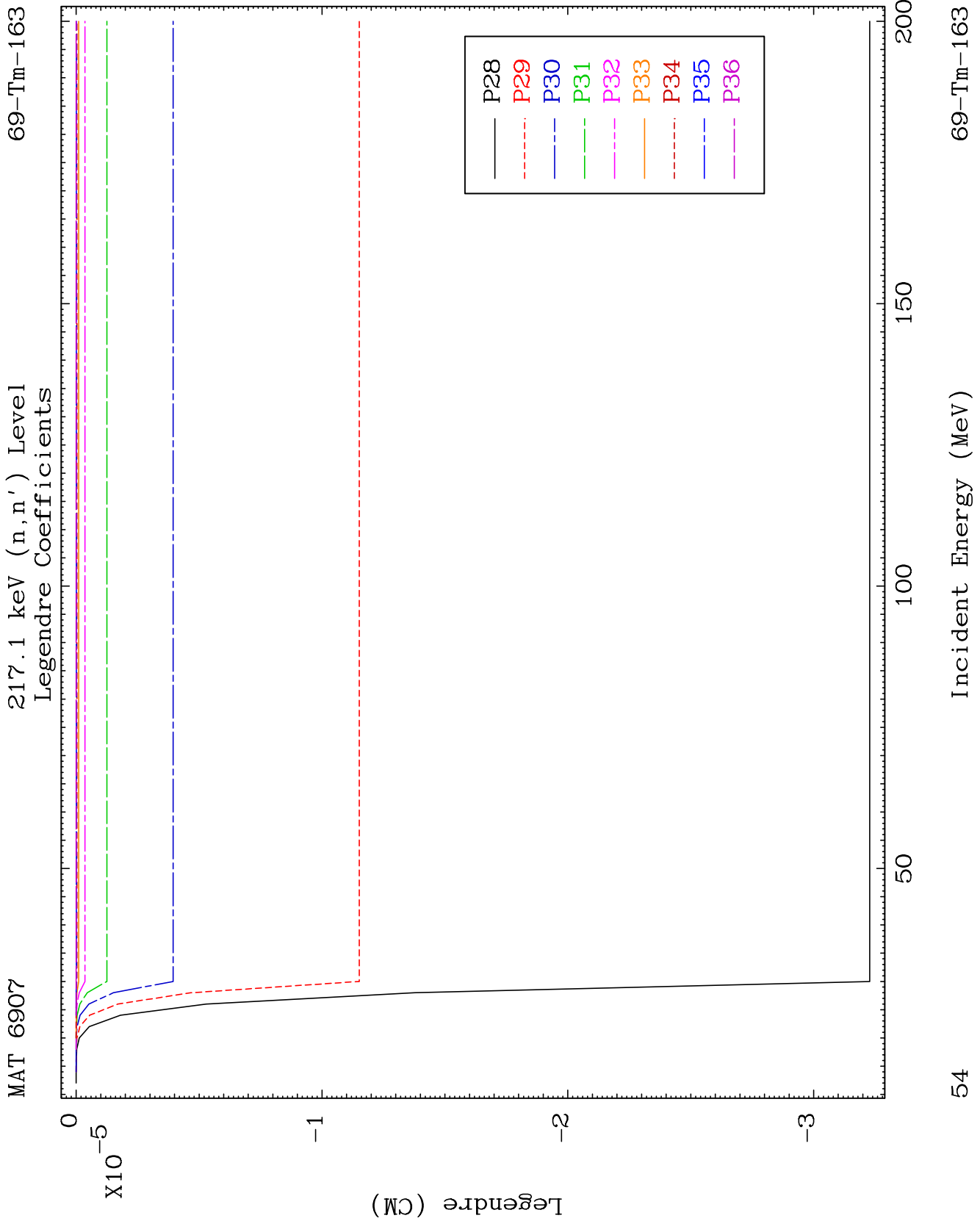
69-Tm-163







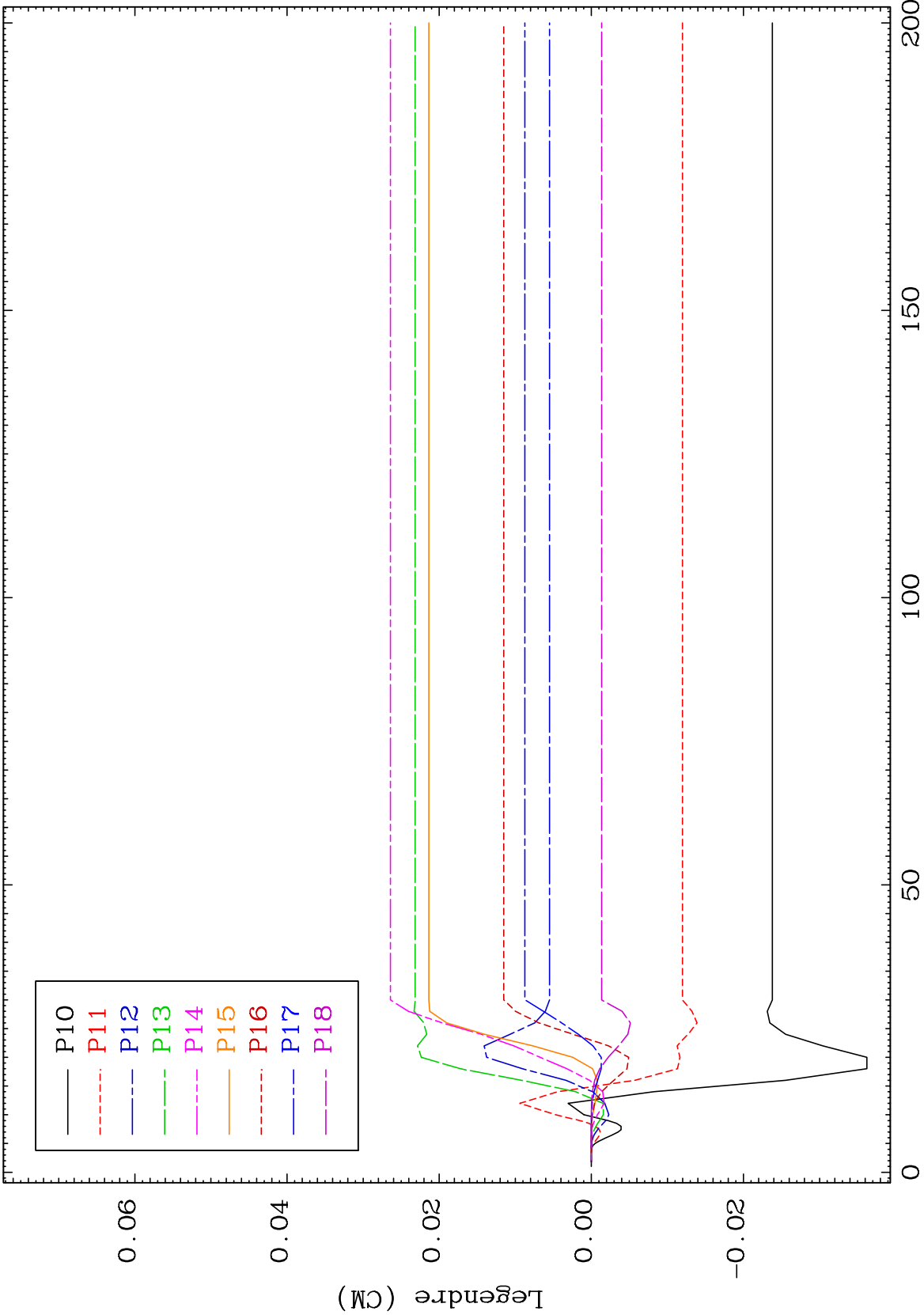




MAT 6907

248.0 keV (n,n') Level
Legendre Coefficients

69-Tm-163



56

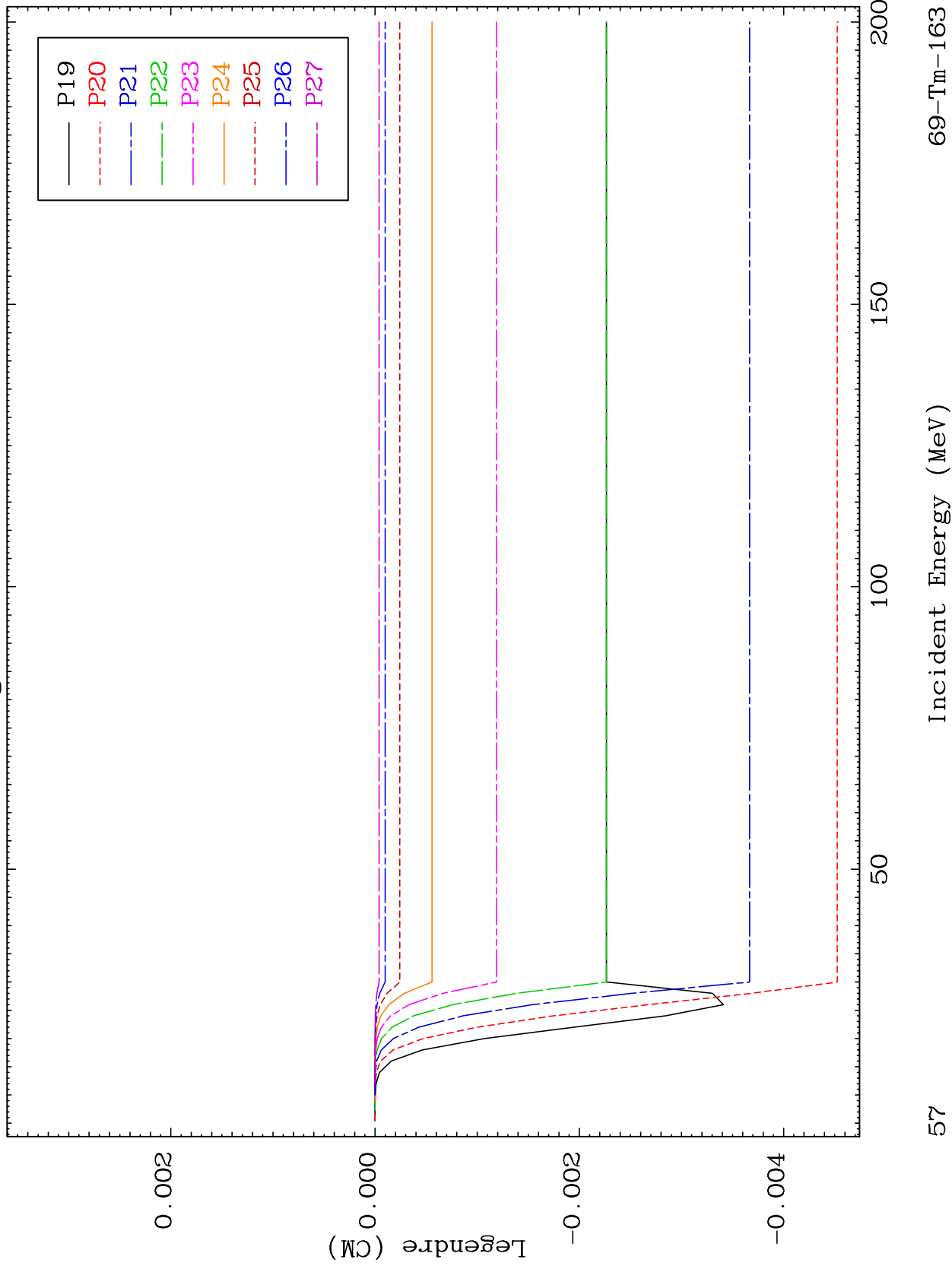
Incident Energy (MeV)

69-Tm-163

MAT 6907

248.0 keV (n,n') Level
Legendre Coefficients

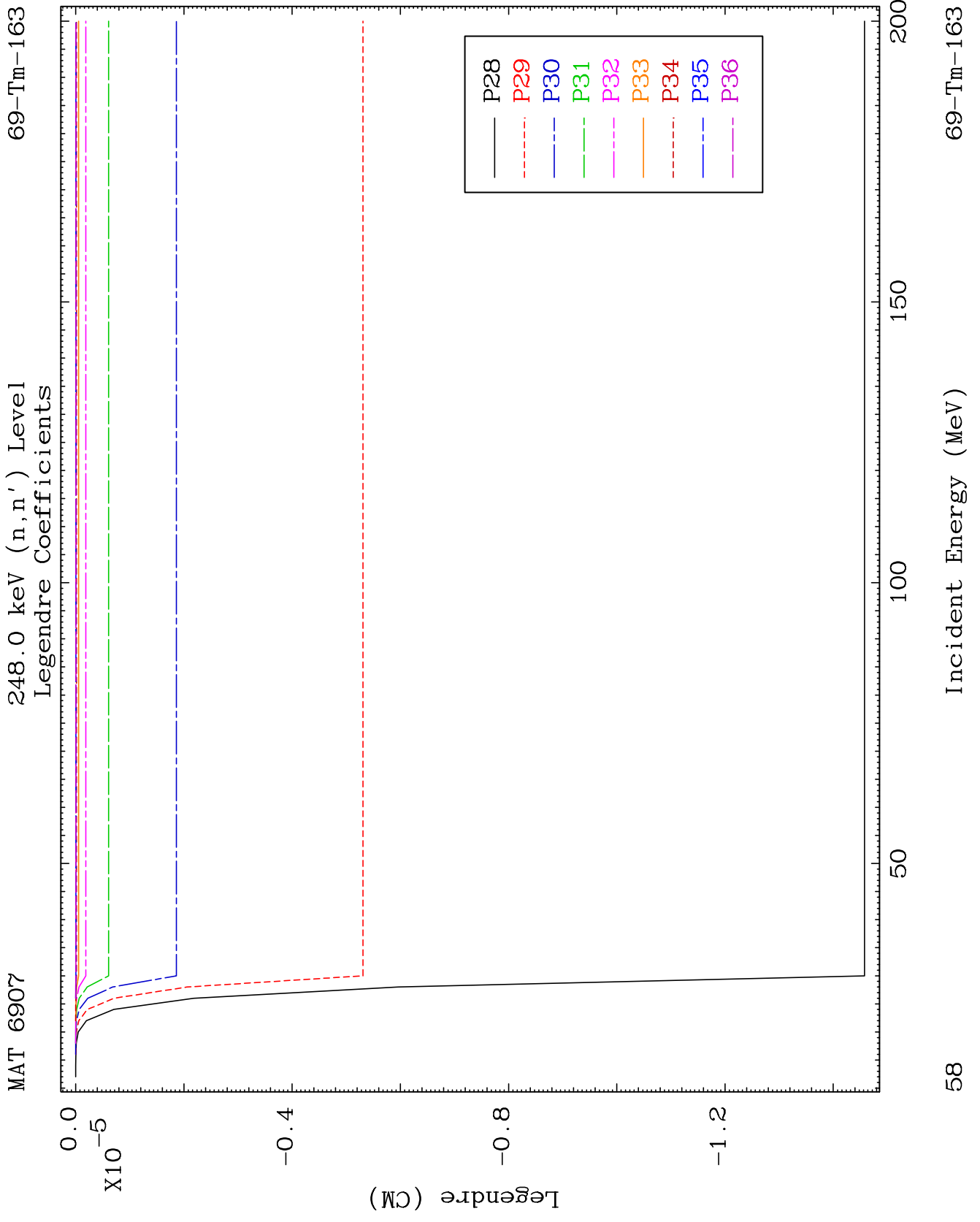
69-Tm-163



57

Incident Energy (MeV)

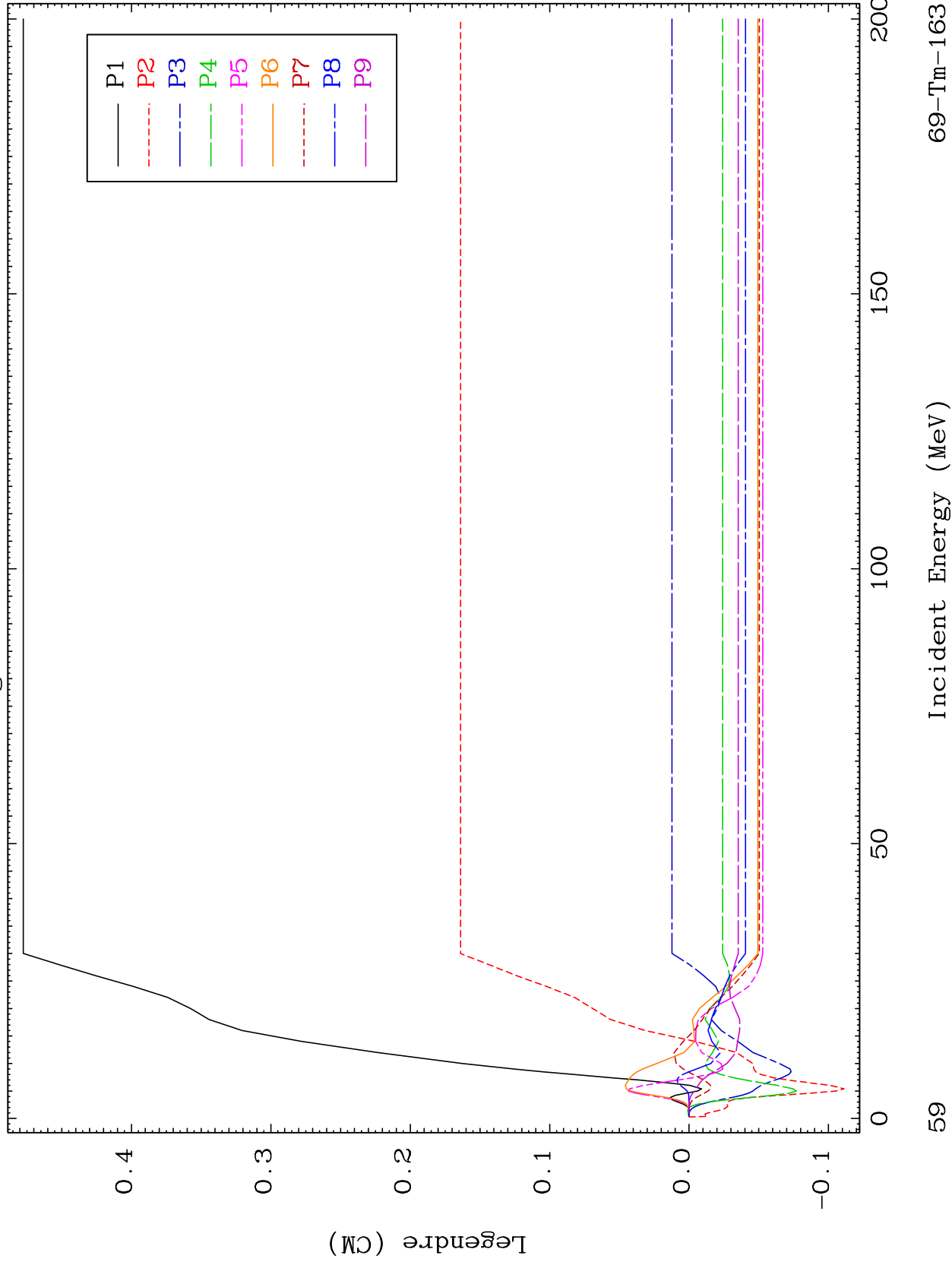
69-Tm-163



MAT 6907

253.5 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

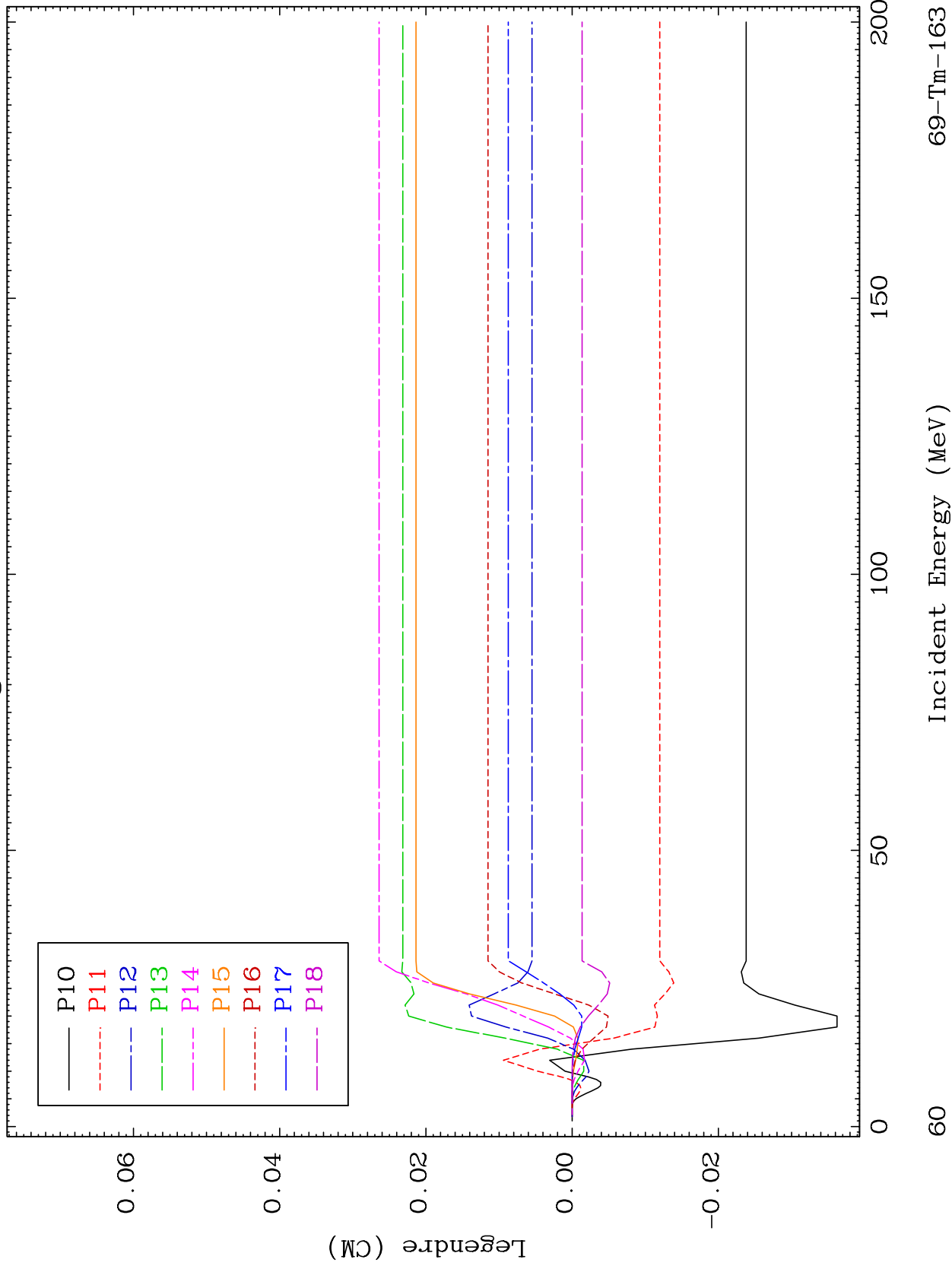
Incident Energy (MeV)

59

MAT 6907

253.5 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

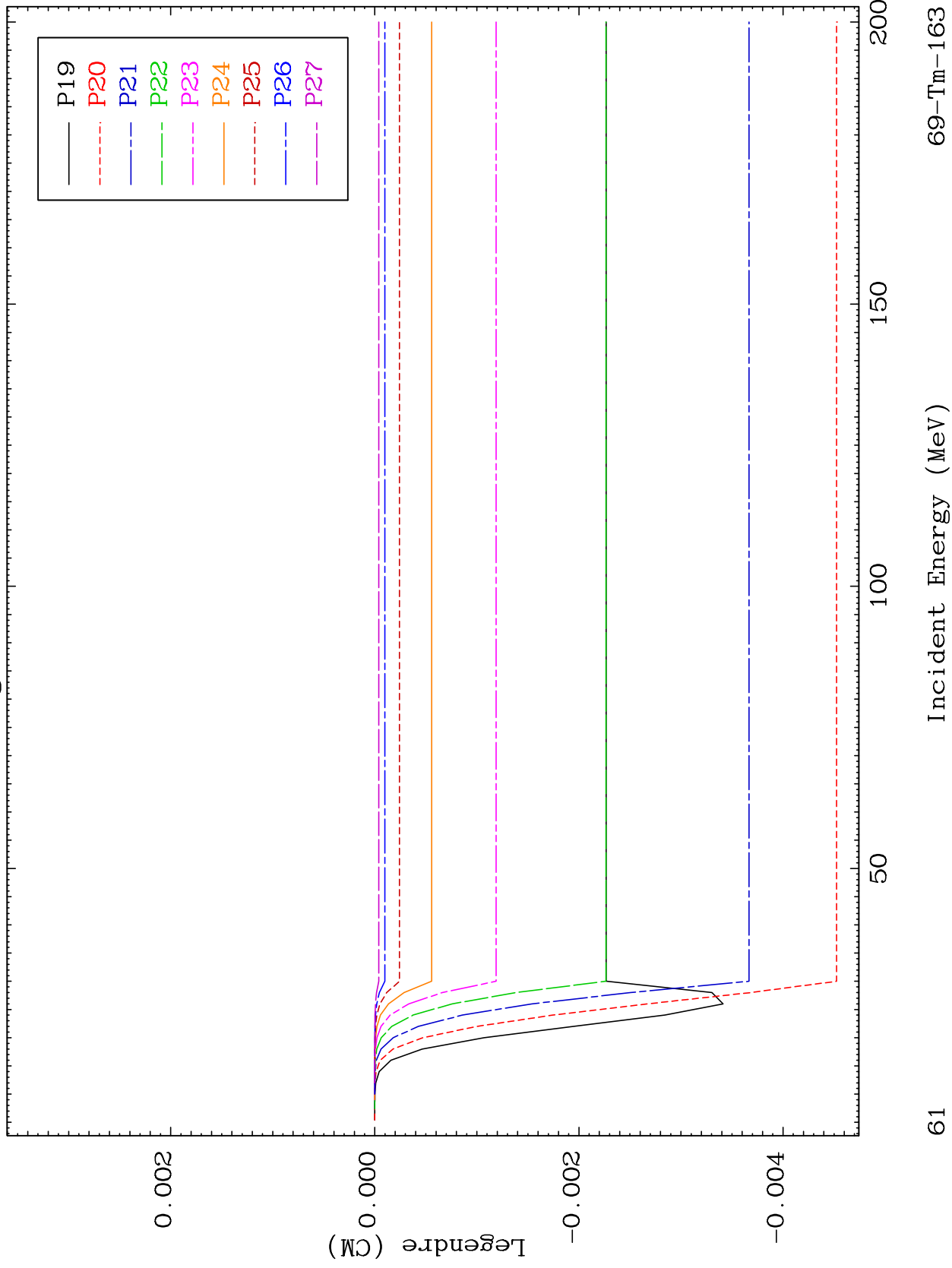
Incident Energy (MeV)

60

MAT 6907

253.5 keV (n,n') Level
Legendre Coefficients

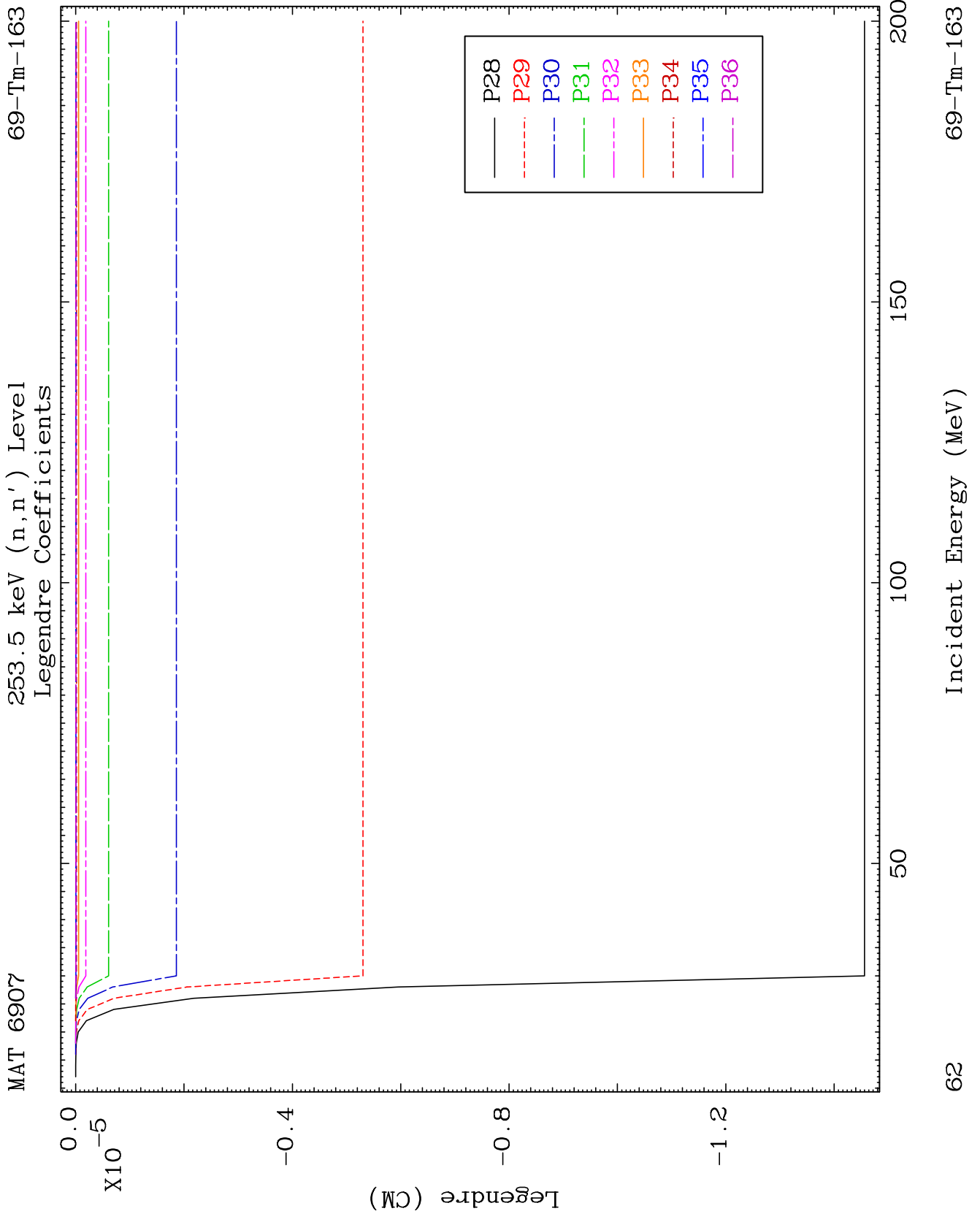
69-Tm-163



61

Incident Energy (MeV)

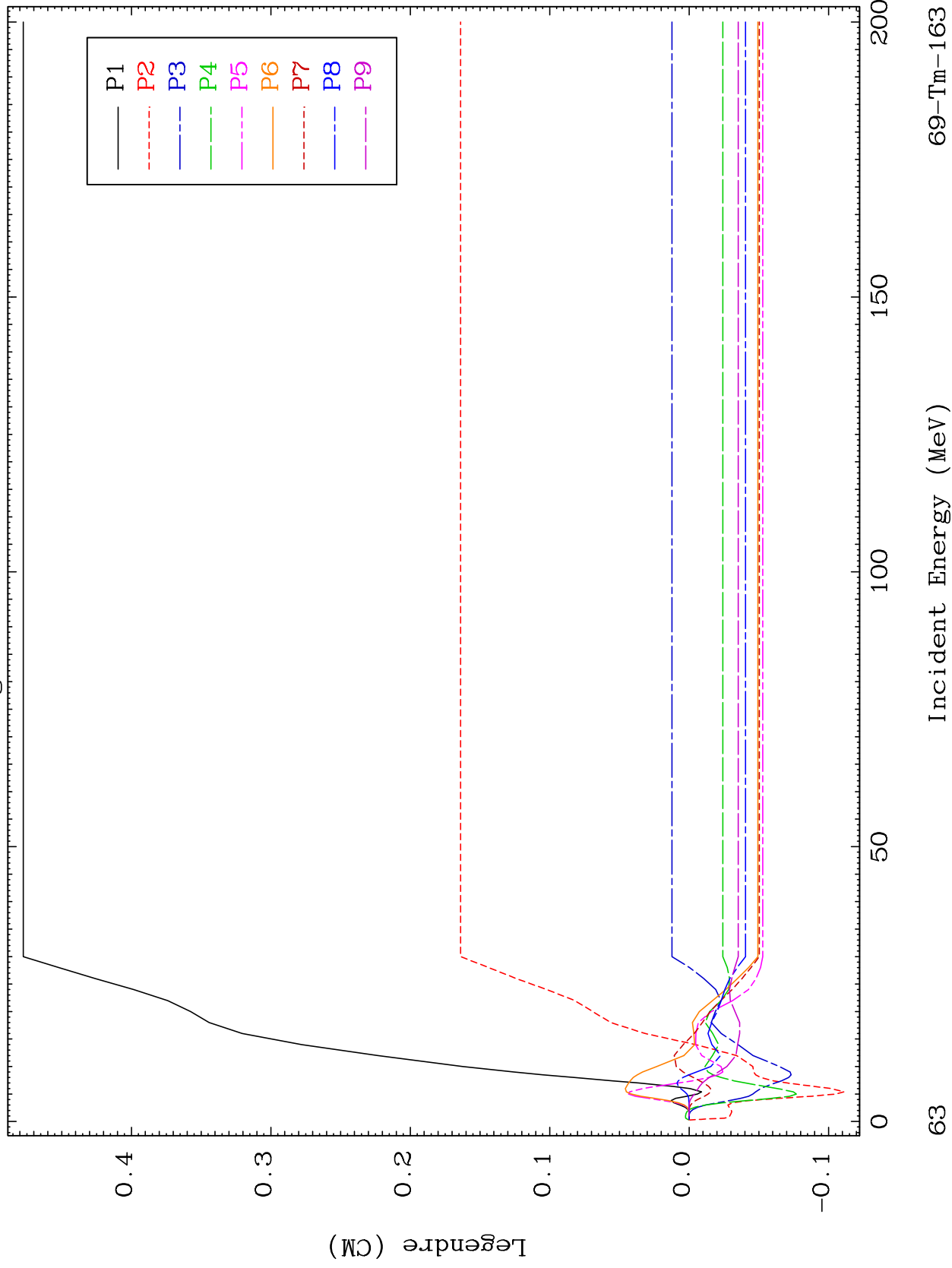
69-Tm-163



MAT 6907

258.3 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

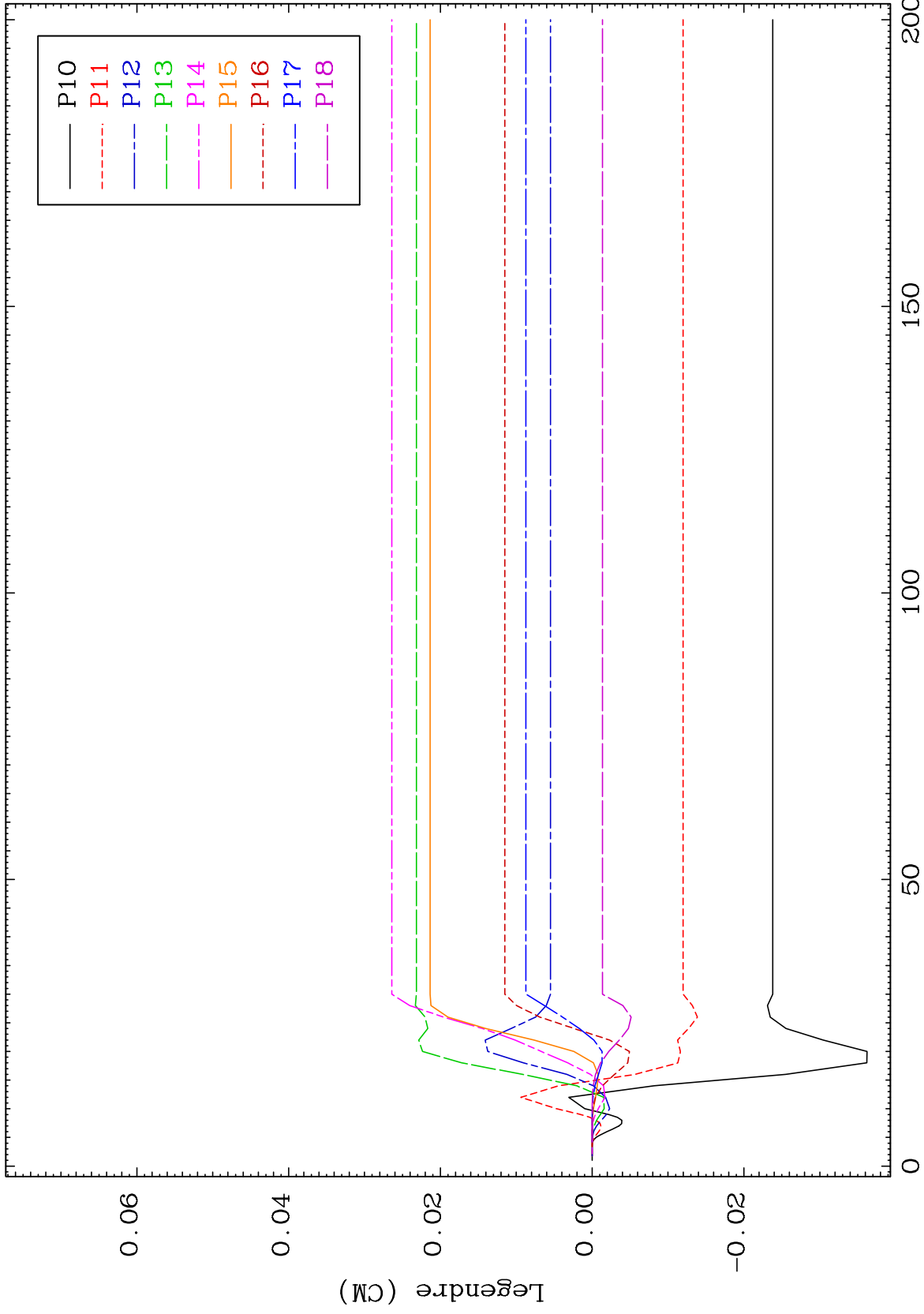
Incident Energy (MeV)

63

MAT 6907

258.3 keV (n,n') Level
Legendre Coefficients

69-Tm-163



64

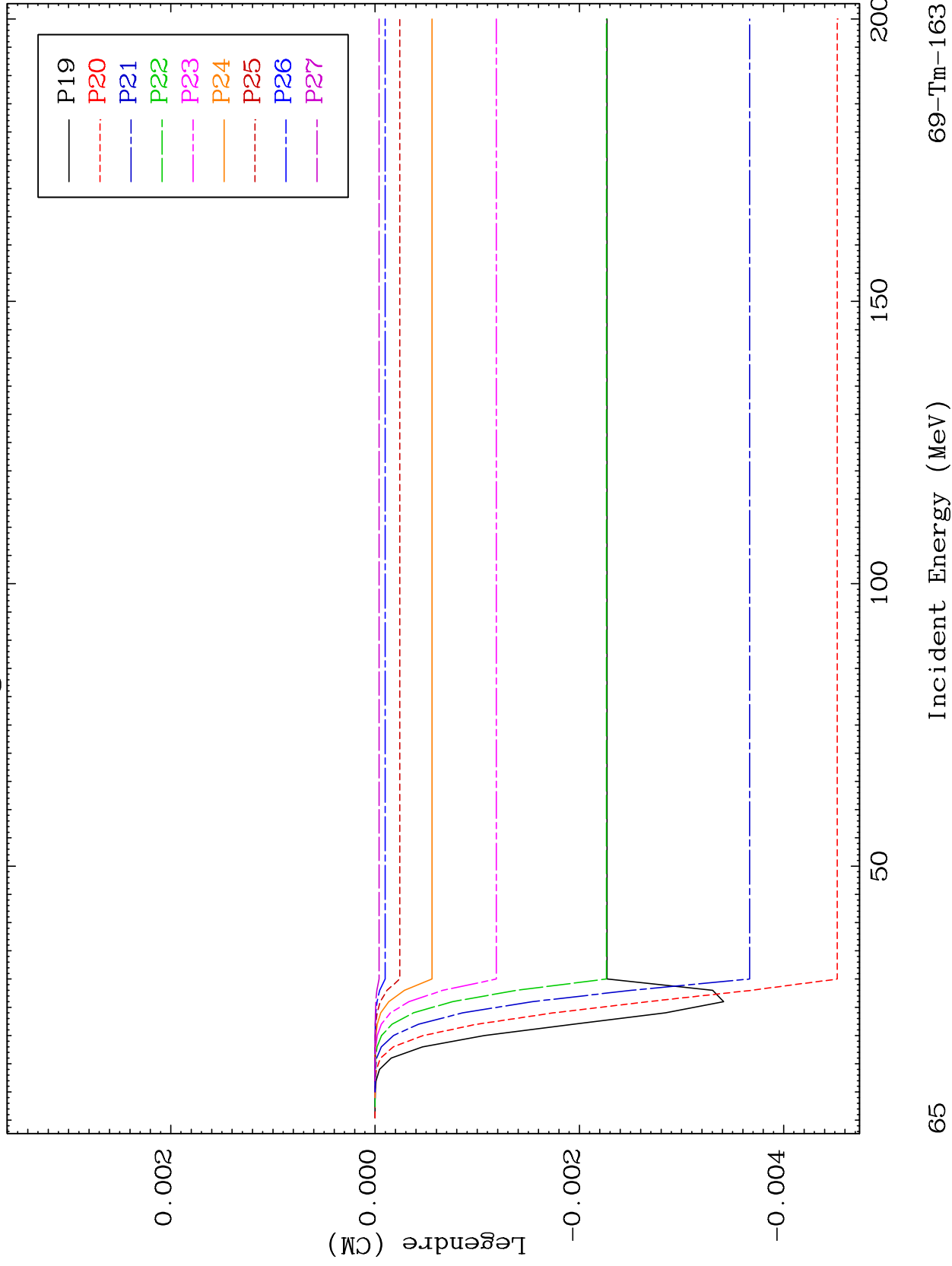
Incident Energy (MeV)

69-Tm-163

MAT 6907

258.3 keV (n,n') Level
Legendre Coefficients

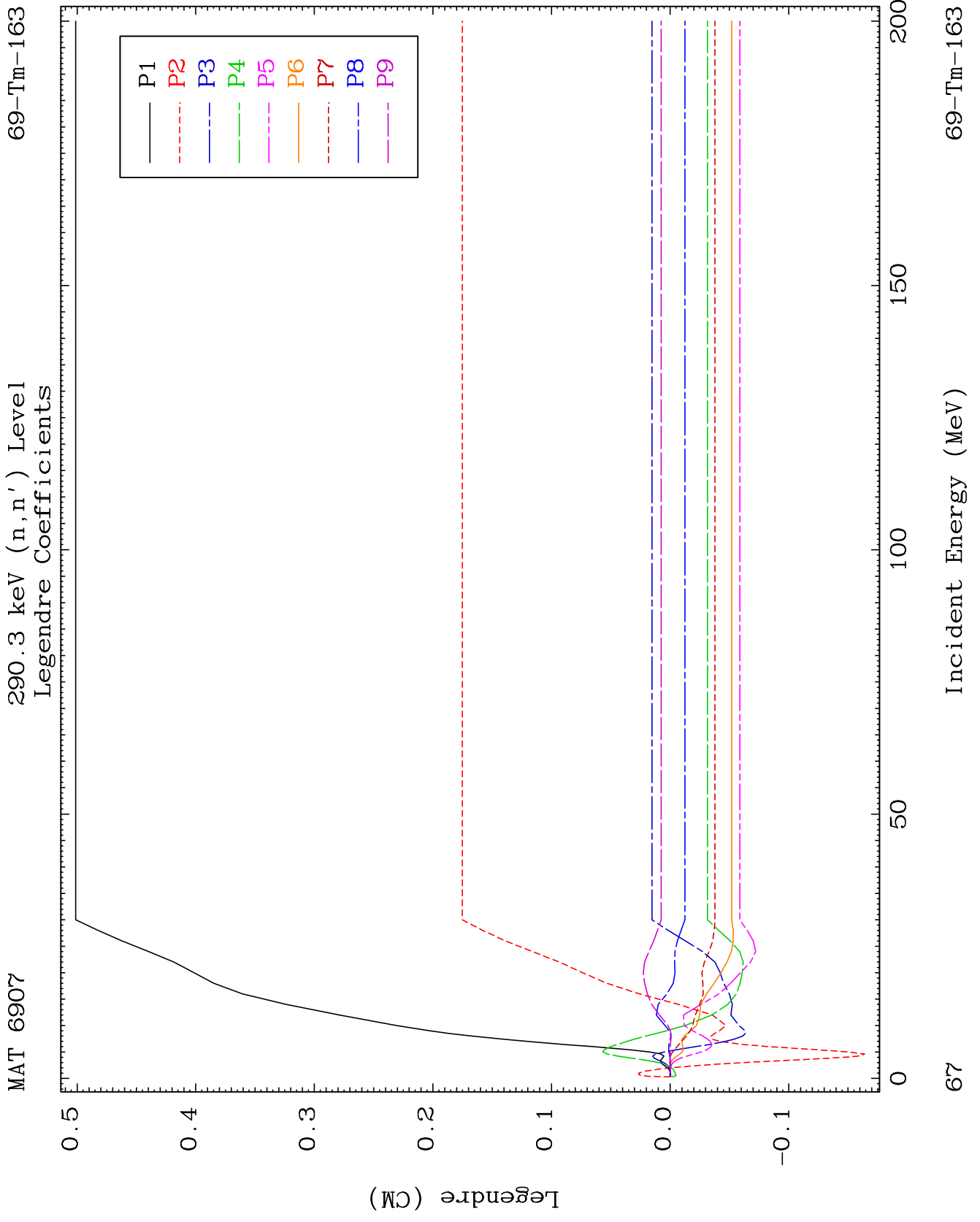
69-Tm-163



65

Incident Energy (MeV)

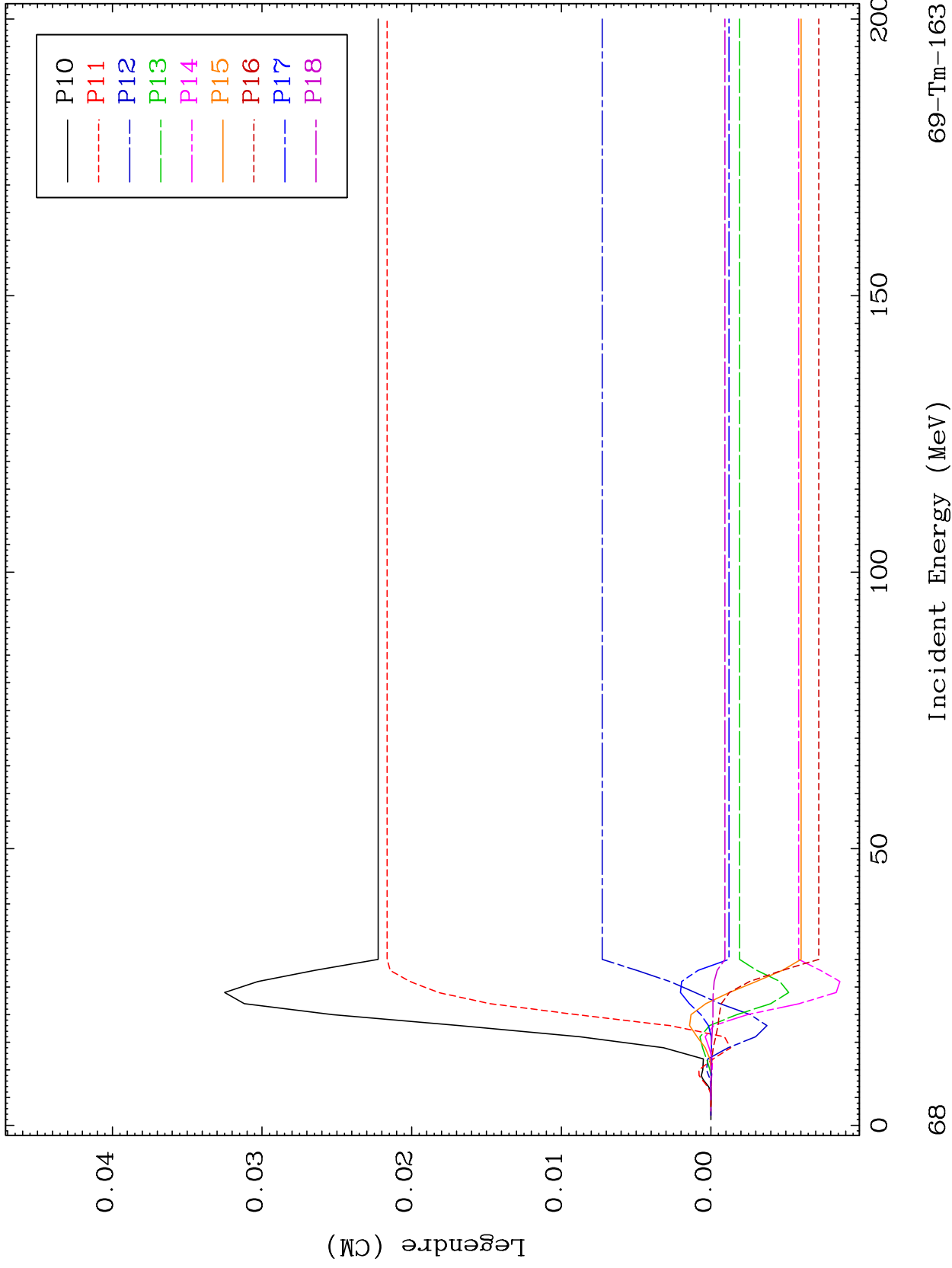
69-Tm-163



MAT 6907

290.3 keV (n,n') Level
Legendre Coefficients

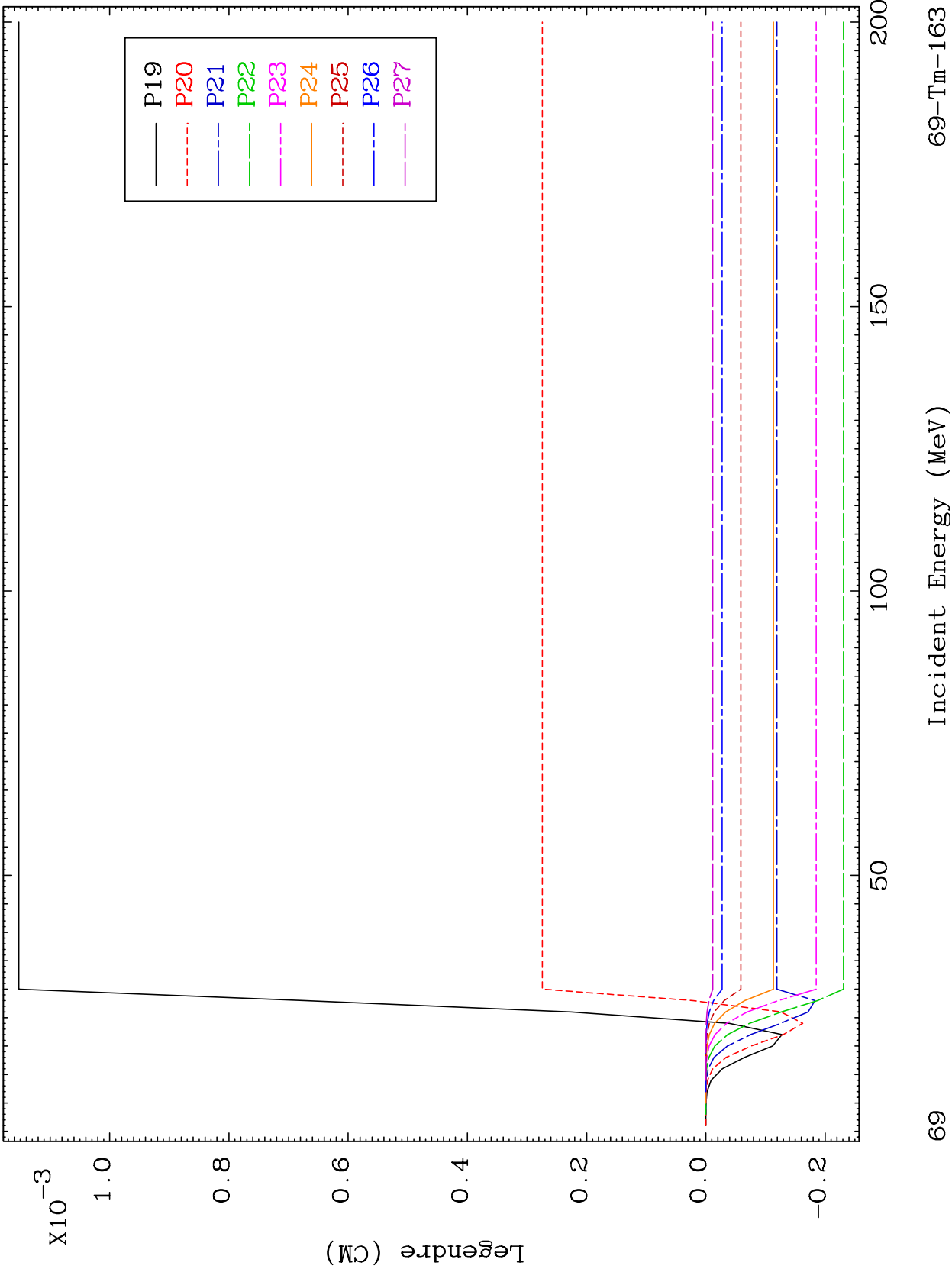
69-Tm-163

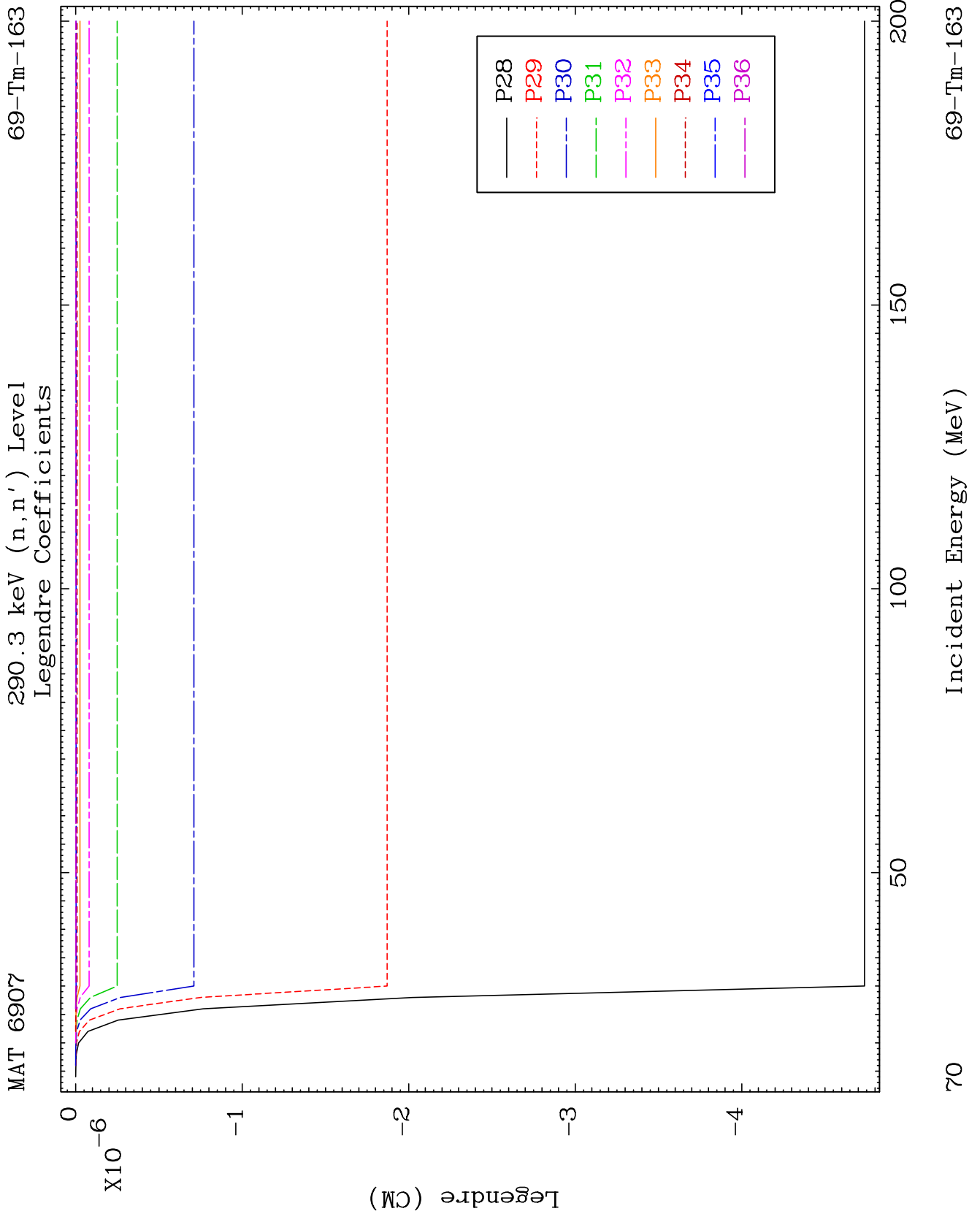


69-Tm-163

Incident Energy (MeV)

68

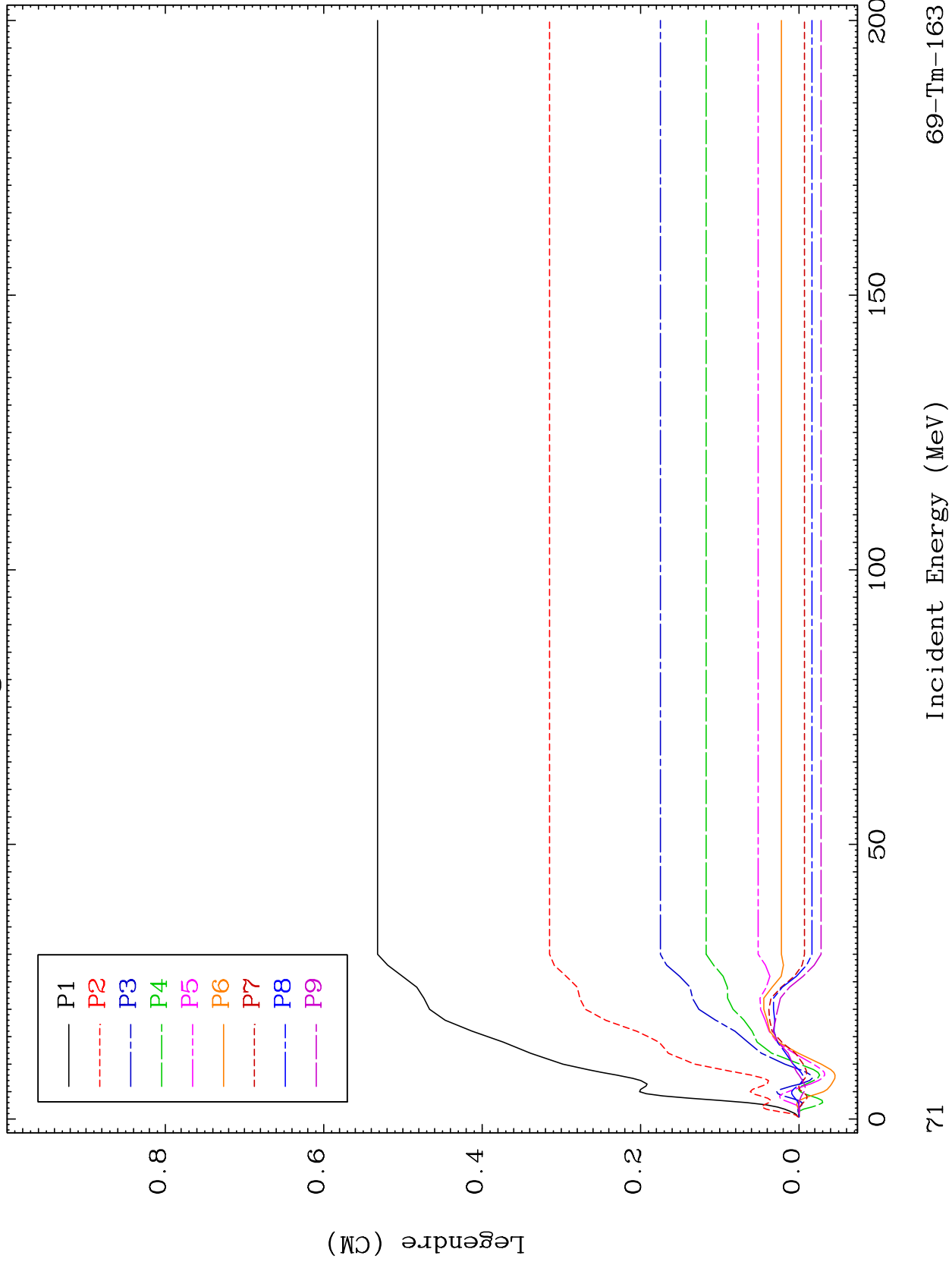




MAT 6907

326.2 keV (n,n') Level
Legendre Coefficients

69-Tm-163

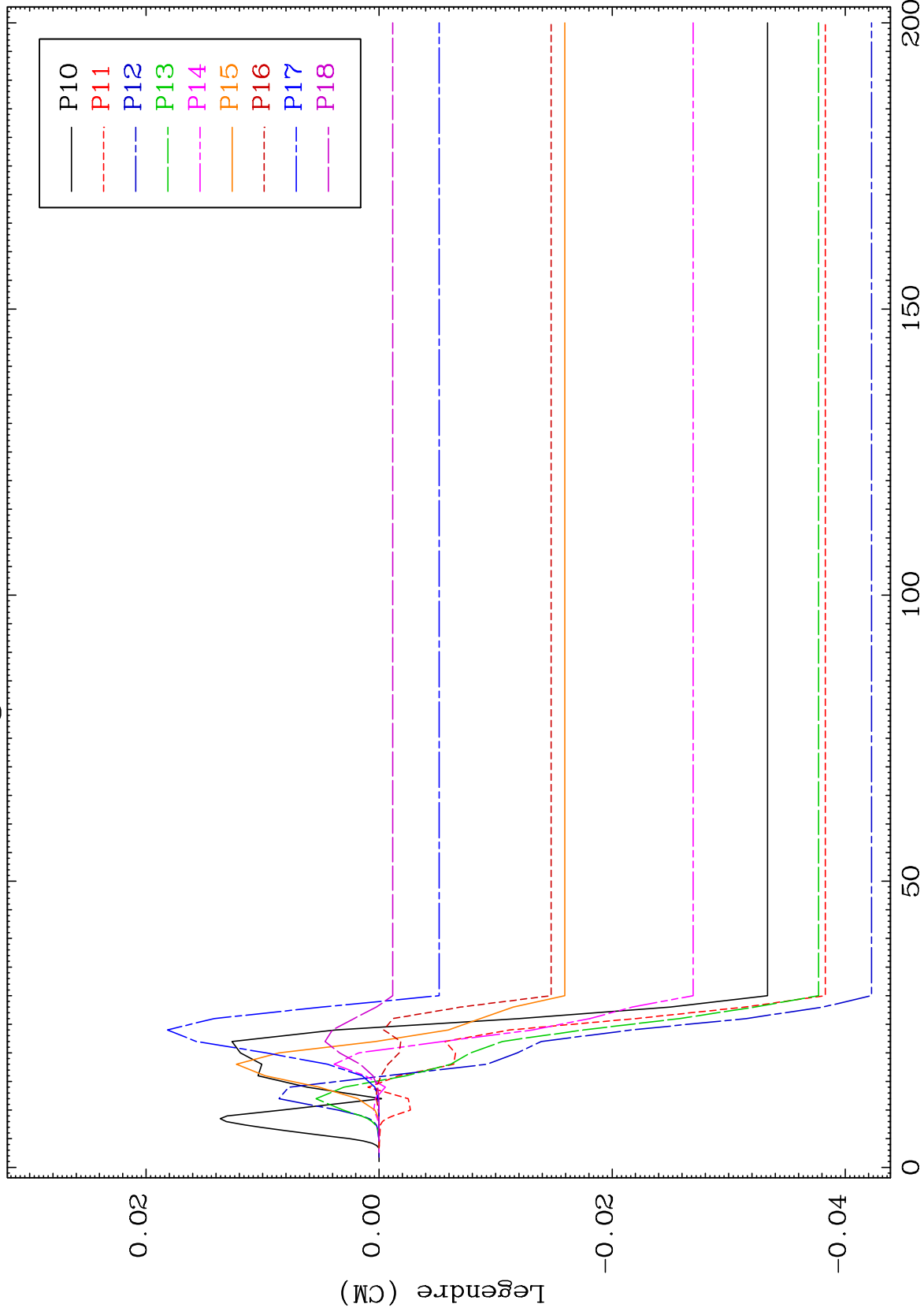


71

MAT 6907

326.2 keV (n,n') Level
Legendre Coefficients

69-Tm-163



72

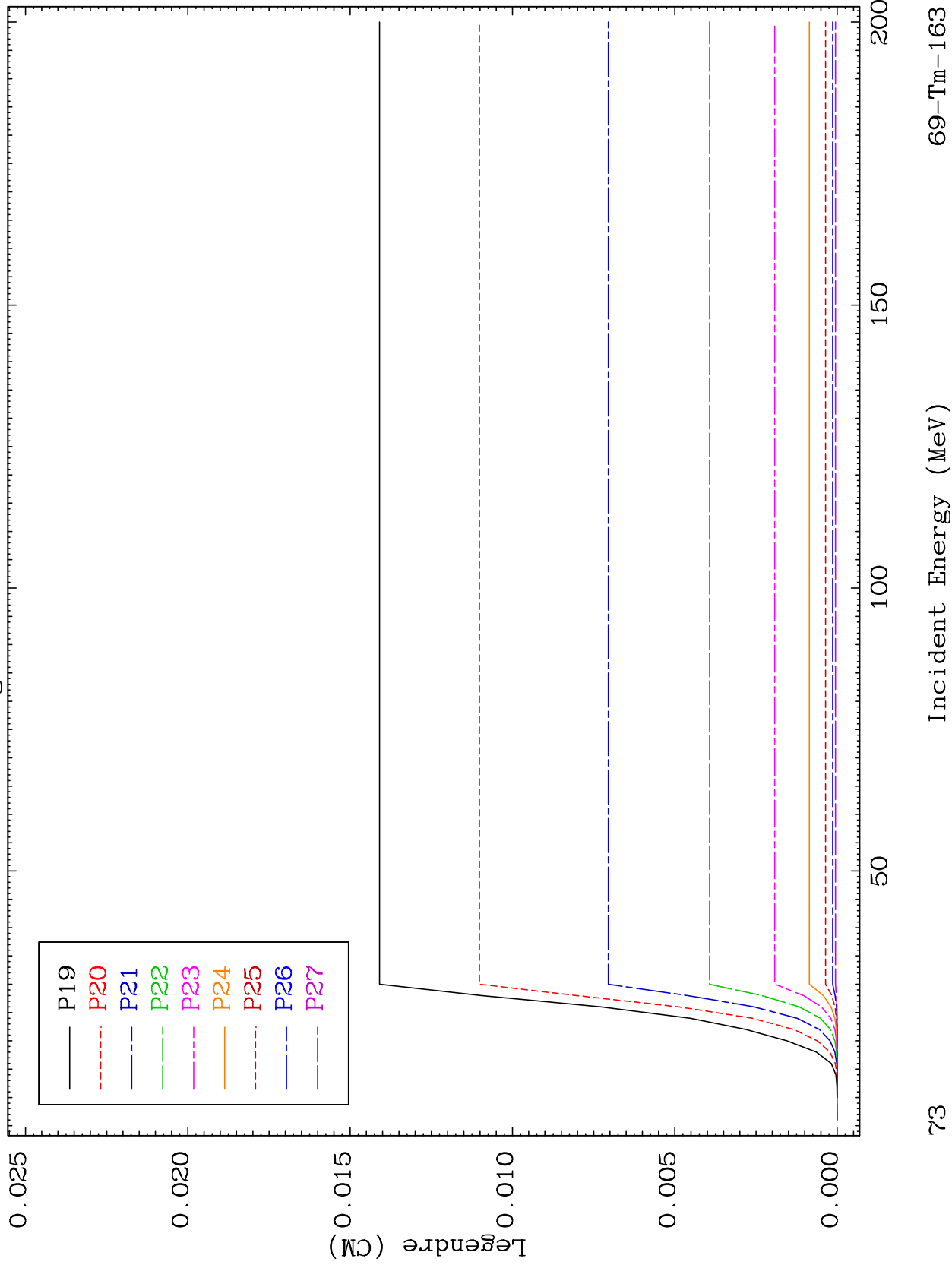
Incident Energy (MeV)

69-Tm-163

MAT 6907

326.2 keV (n, n') Level
Legendre Coefficients

69-Tm-163



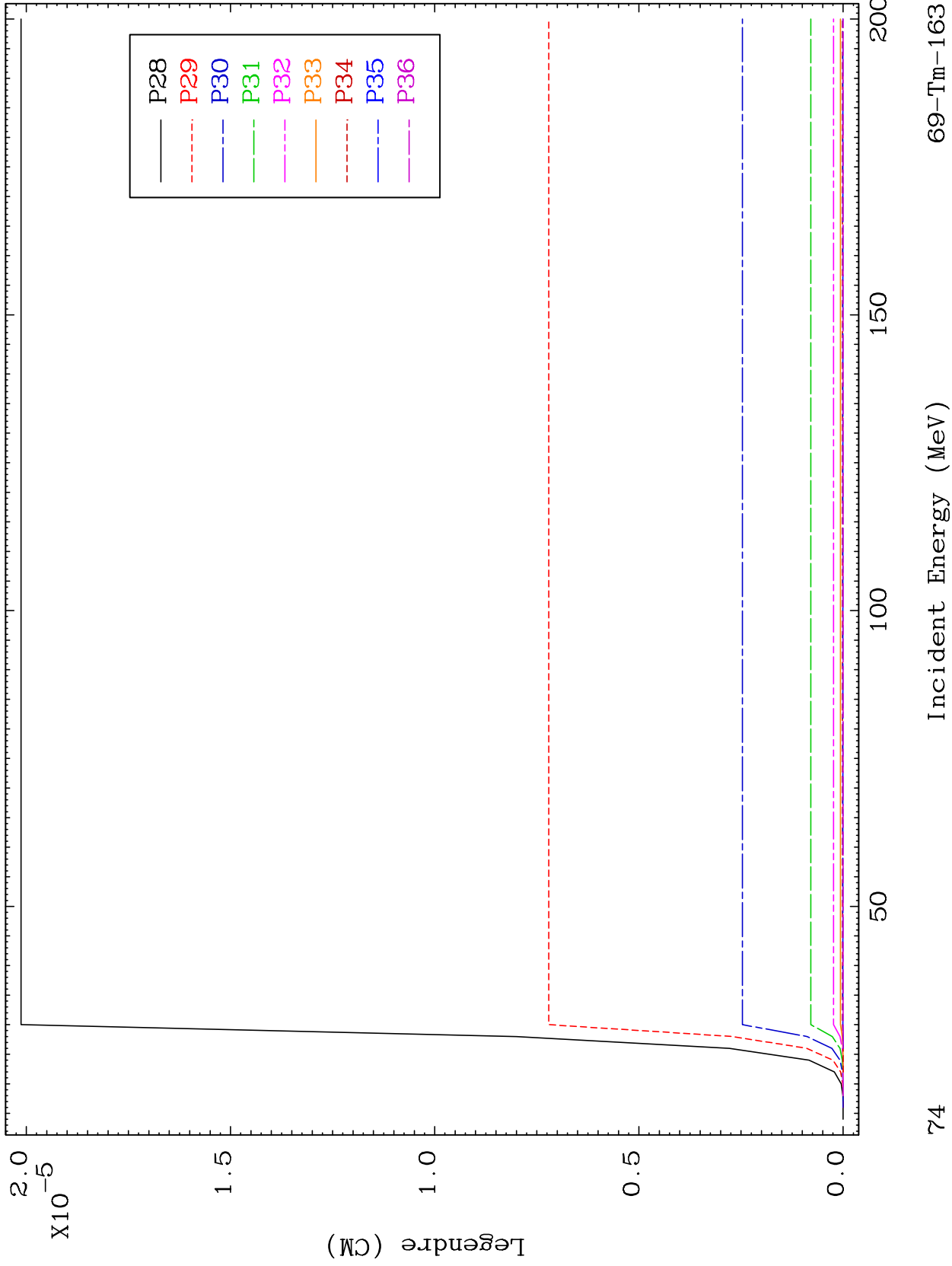
73

69-Tm-163

MAT 6907

326.2 keV (n,n') Level
Legendre Coefficients

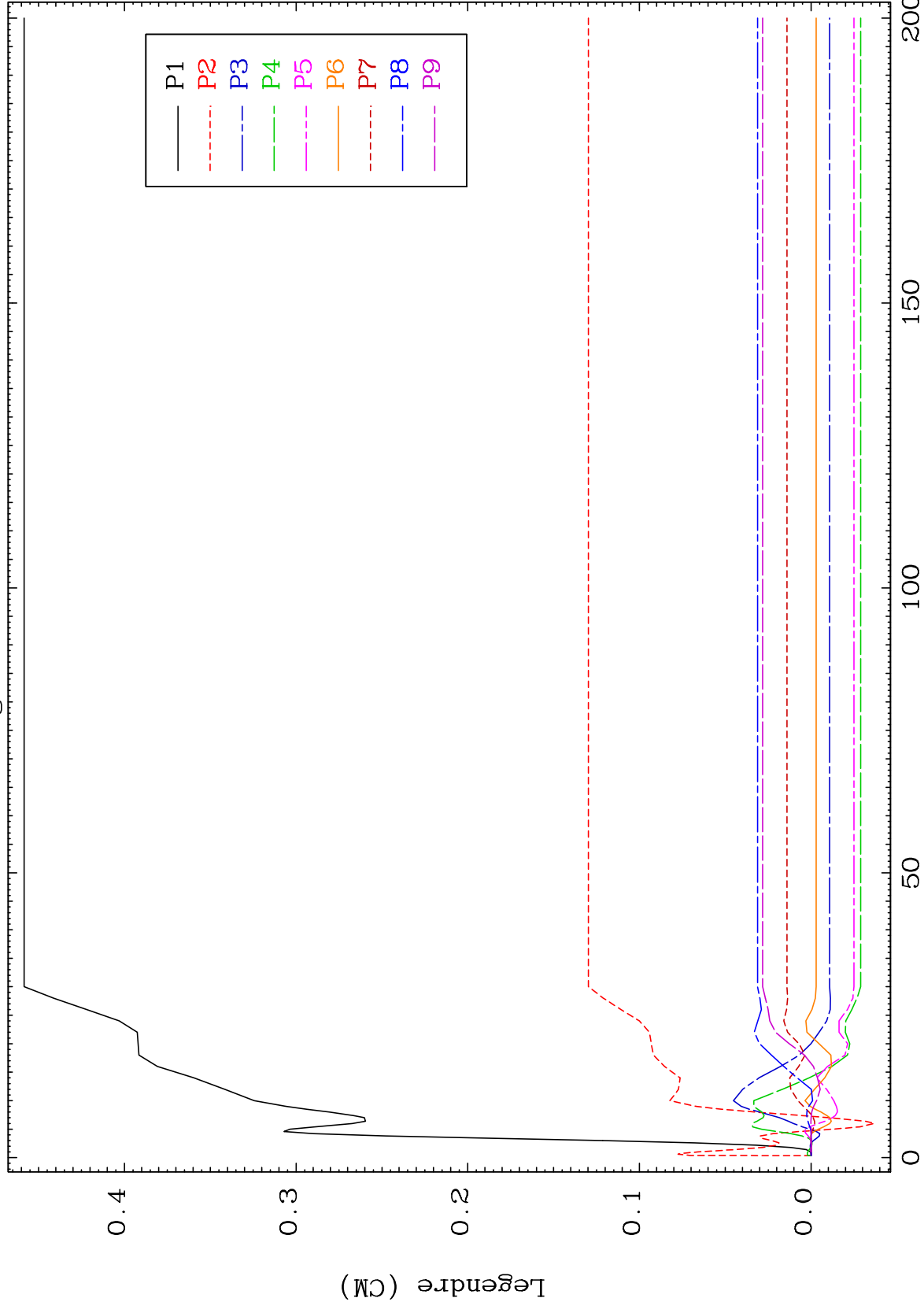
69-Tm-163



MAT 6907

331.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

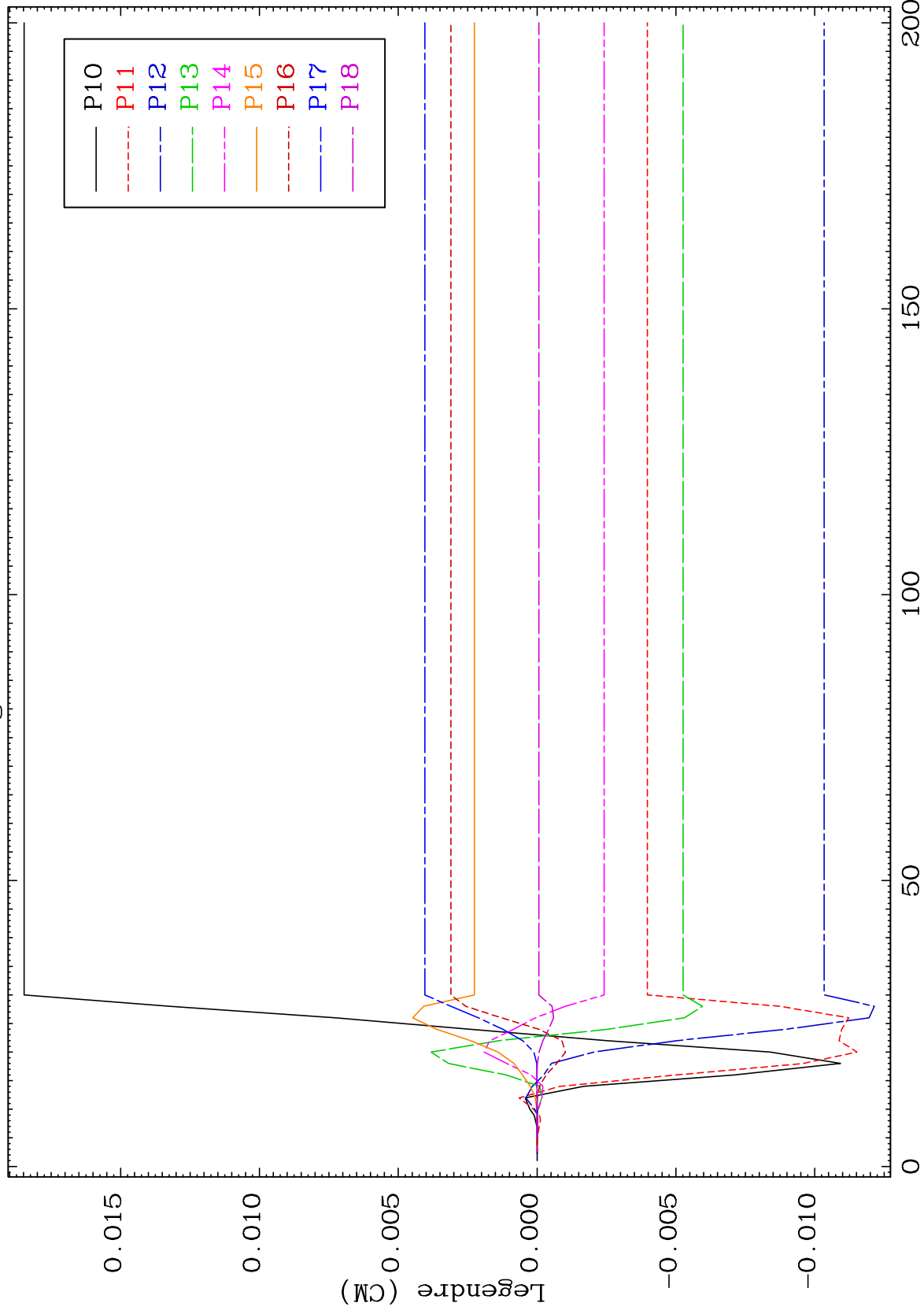
Incident Energy (MeV)

75

MAT 6907

331.1 keV (n,n') Level
Legendre Coefficients

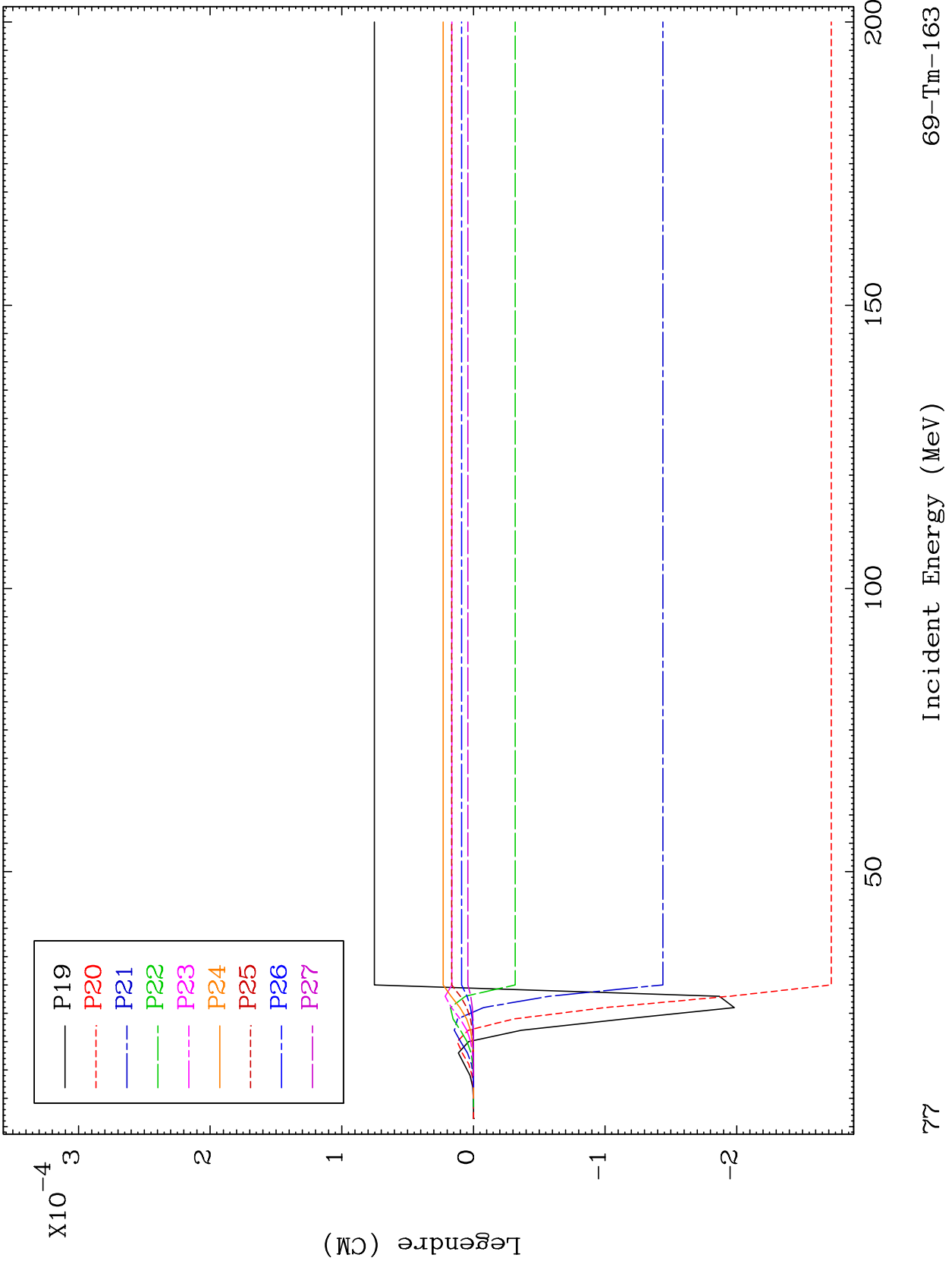
69-Tm-163



76

Incident Energy (MeV)

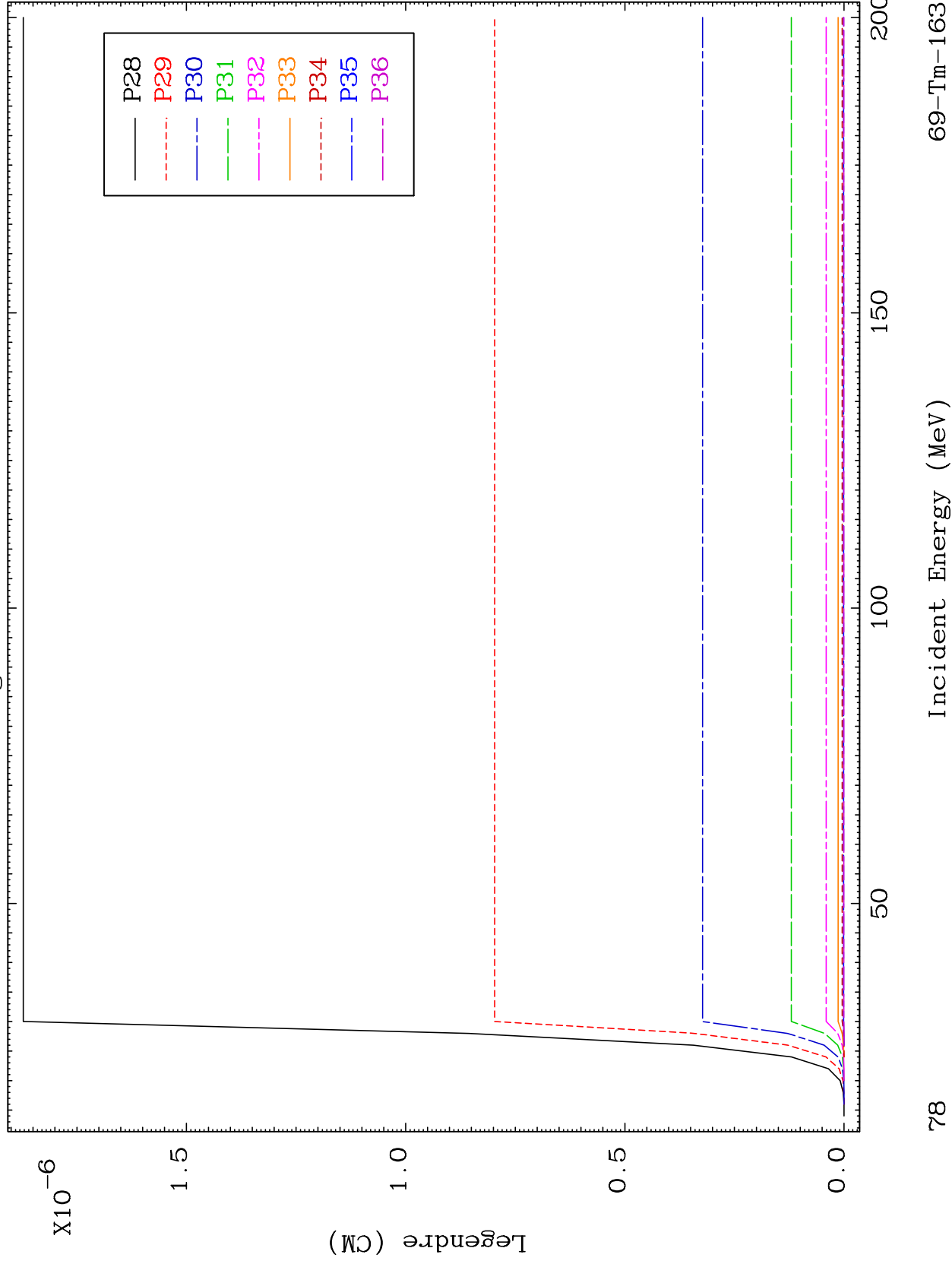
69-Tm-163



MAT 6907

331.1 keV (n,n') Level
Legendre Coefficients

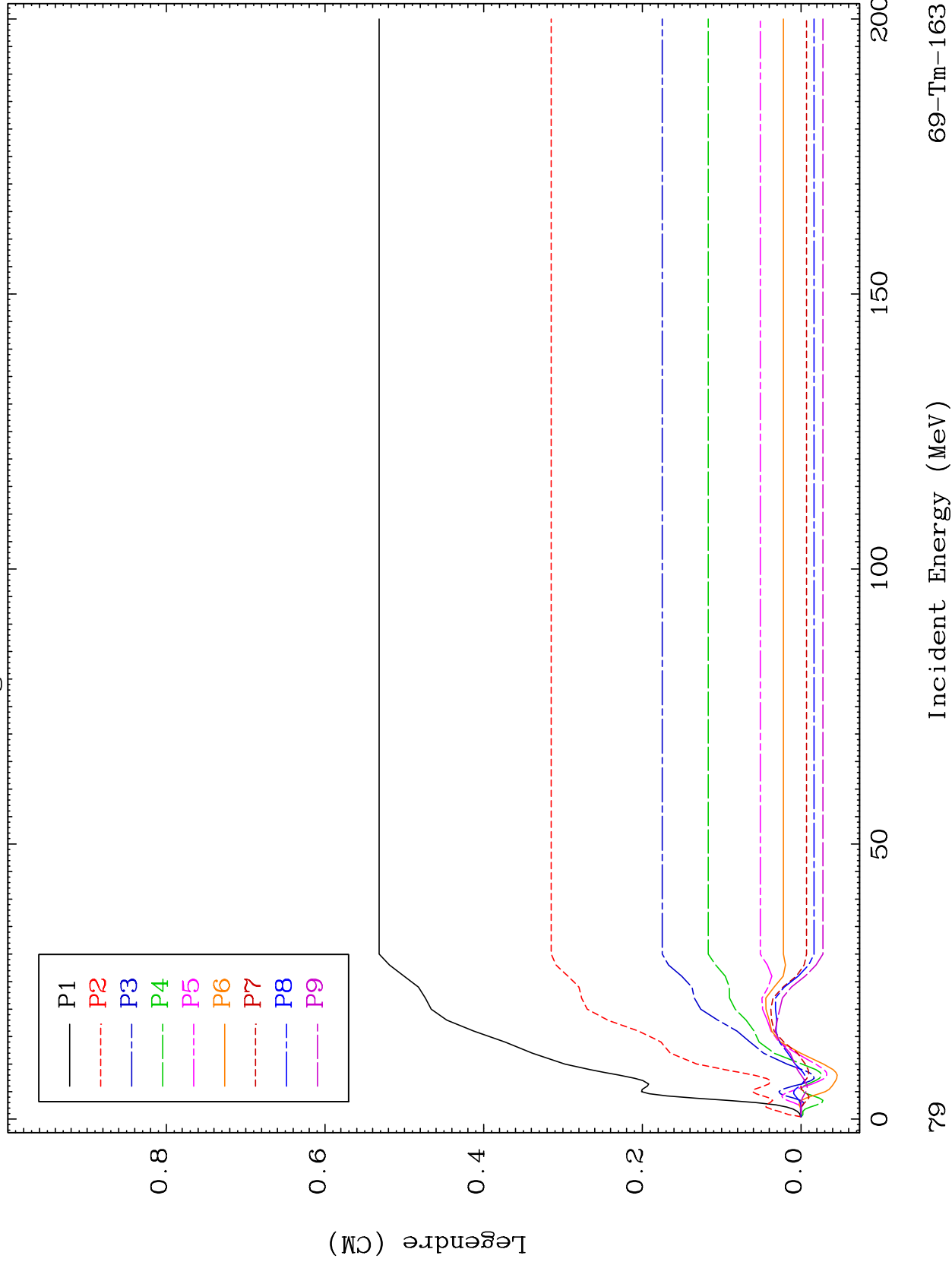
69-Tm-163



MAT 6907

366.4 keV (n,n') Level
Legendre Coefficients

69-Tm-163



79

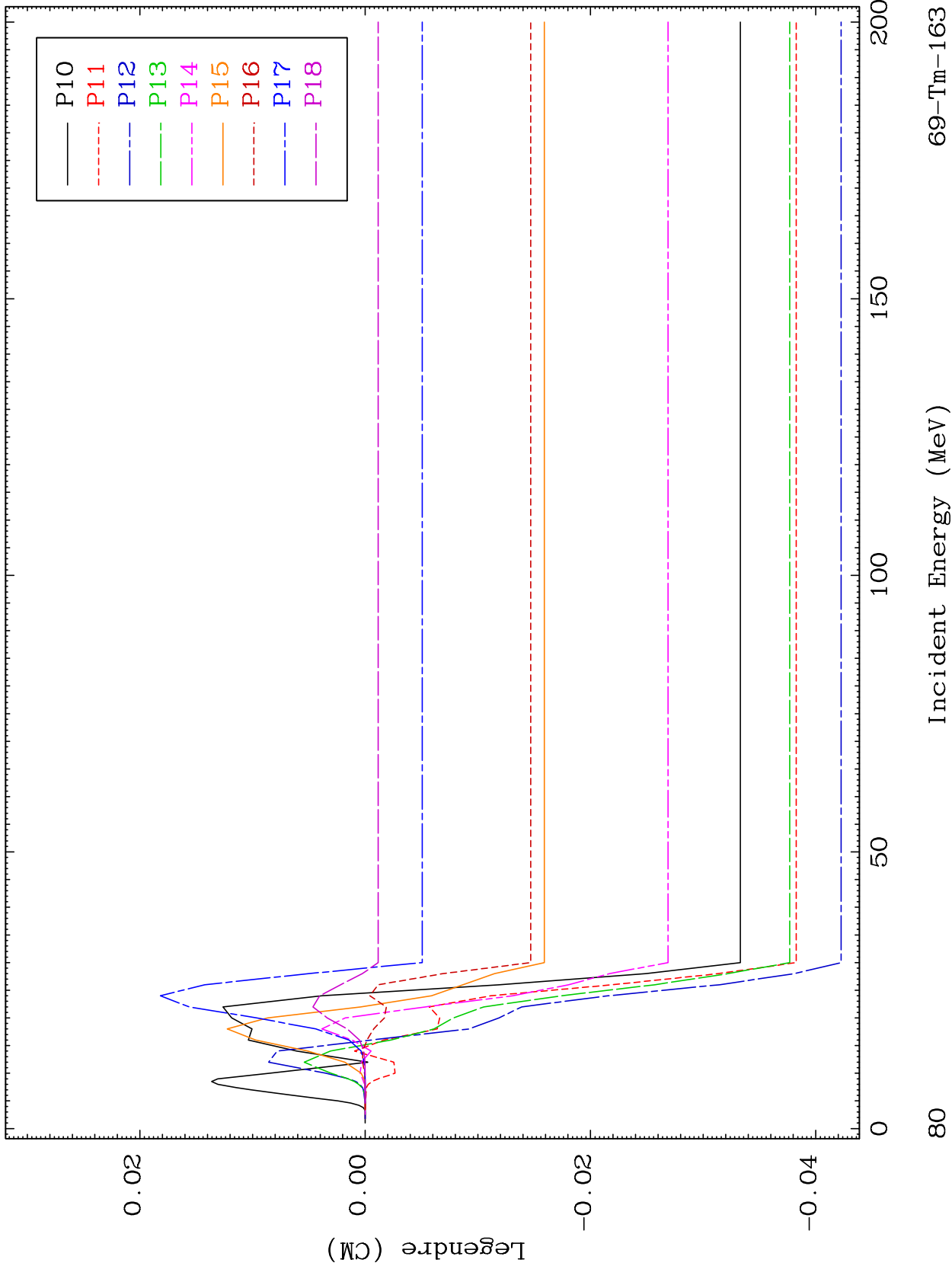
Incident Energy (MeV)

69-Tm-163

MAT 6907

366.4 keV (n,n') Level
Legendre Coefficients

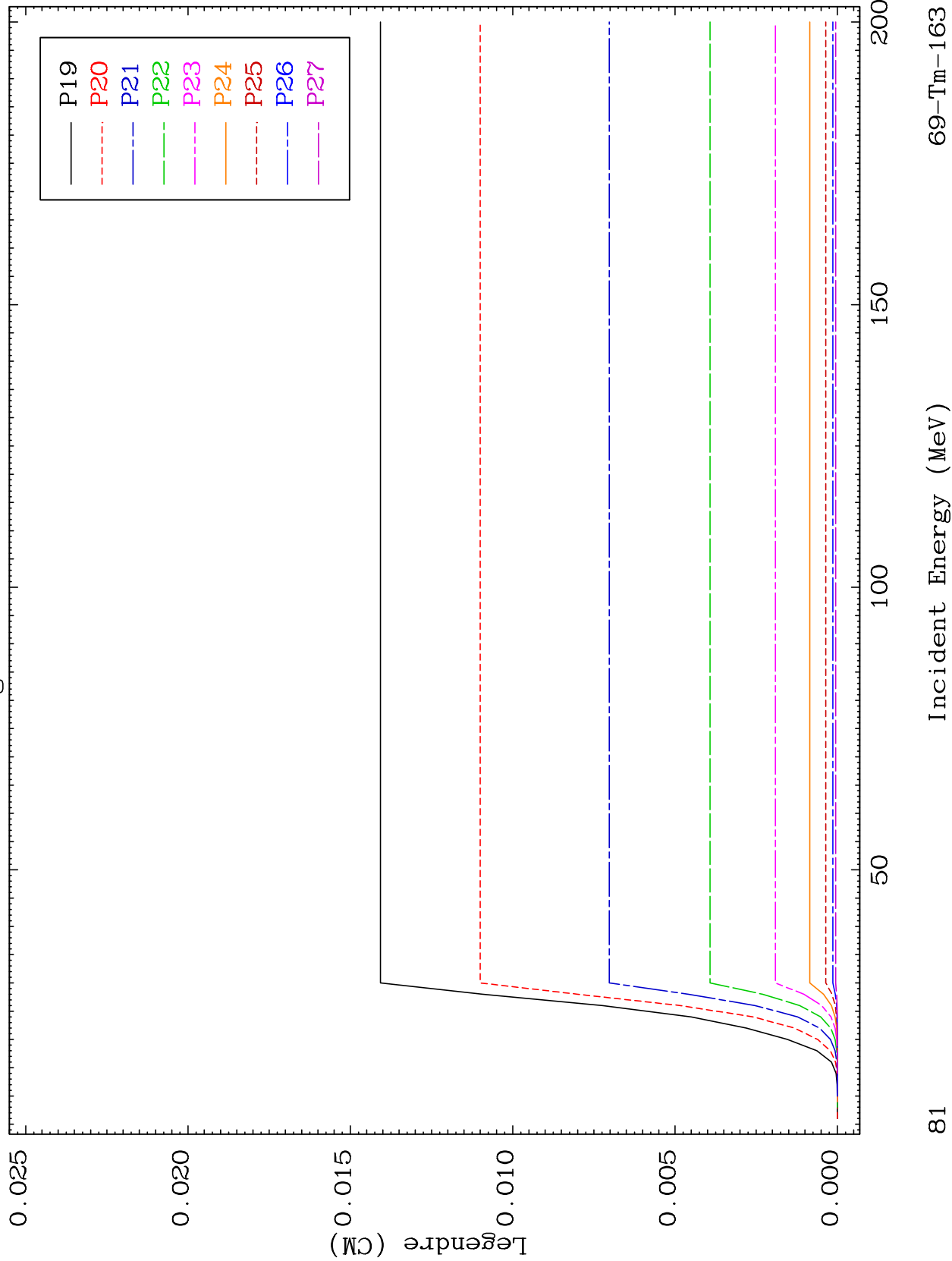
69-Tm-163



69-Tm-163

Incident Energy (MeV)

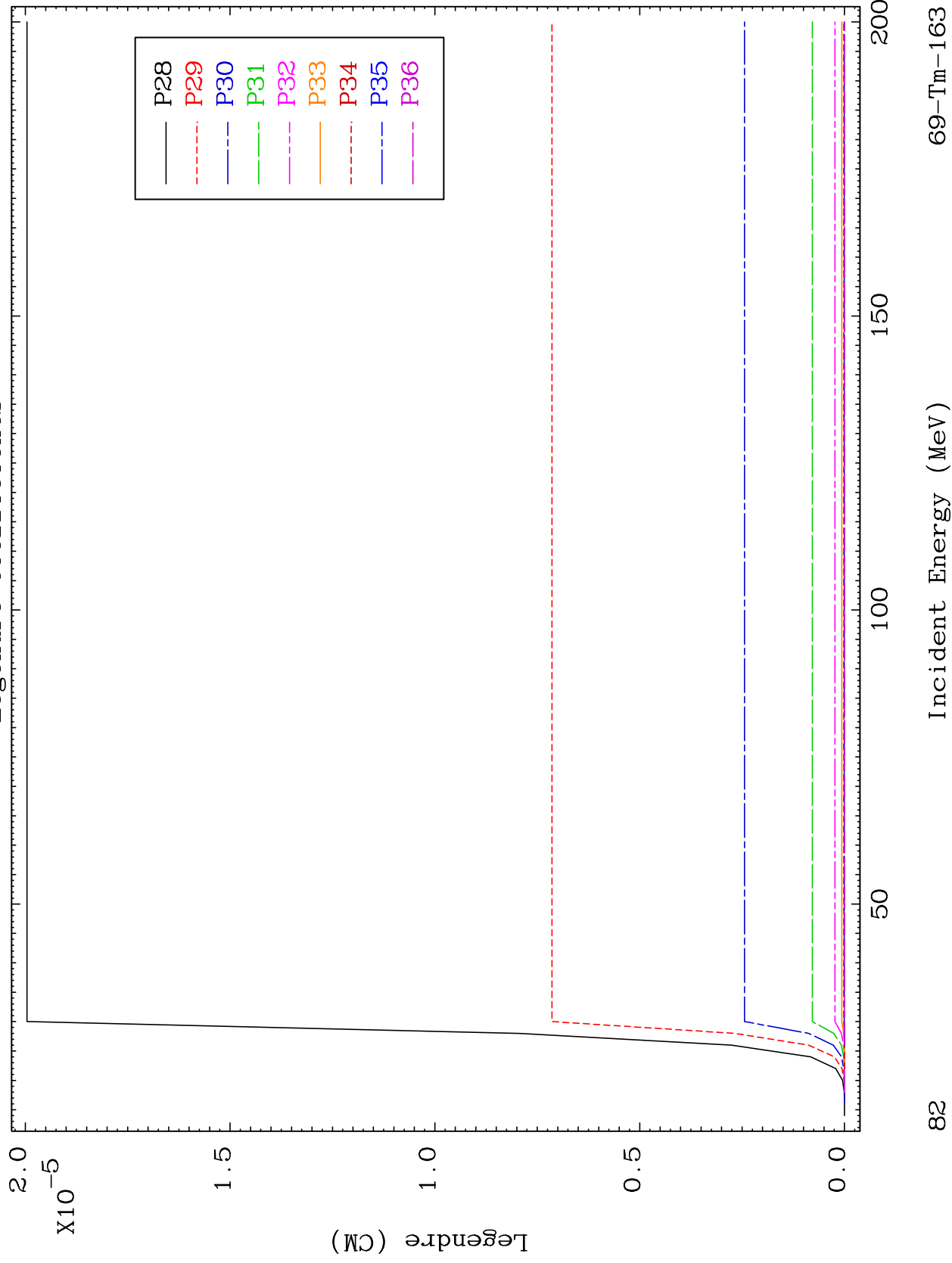
80



MAT 6907

366.4 keV (n,n') Level
Legendre Coefficients

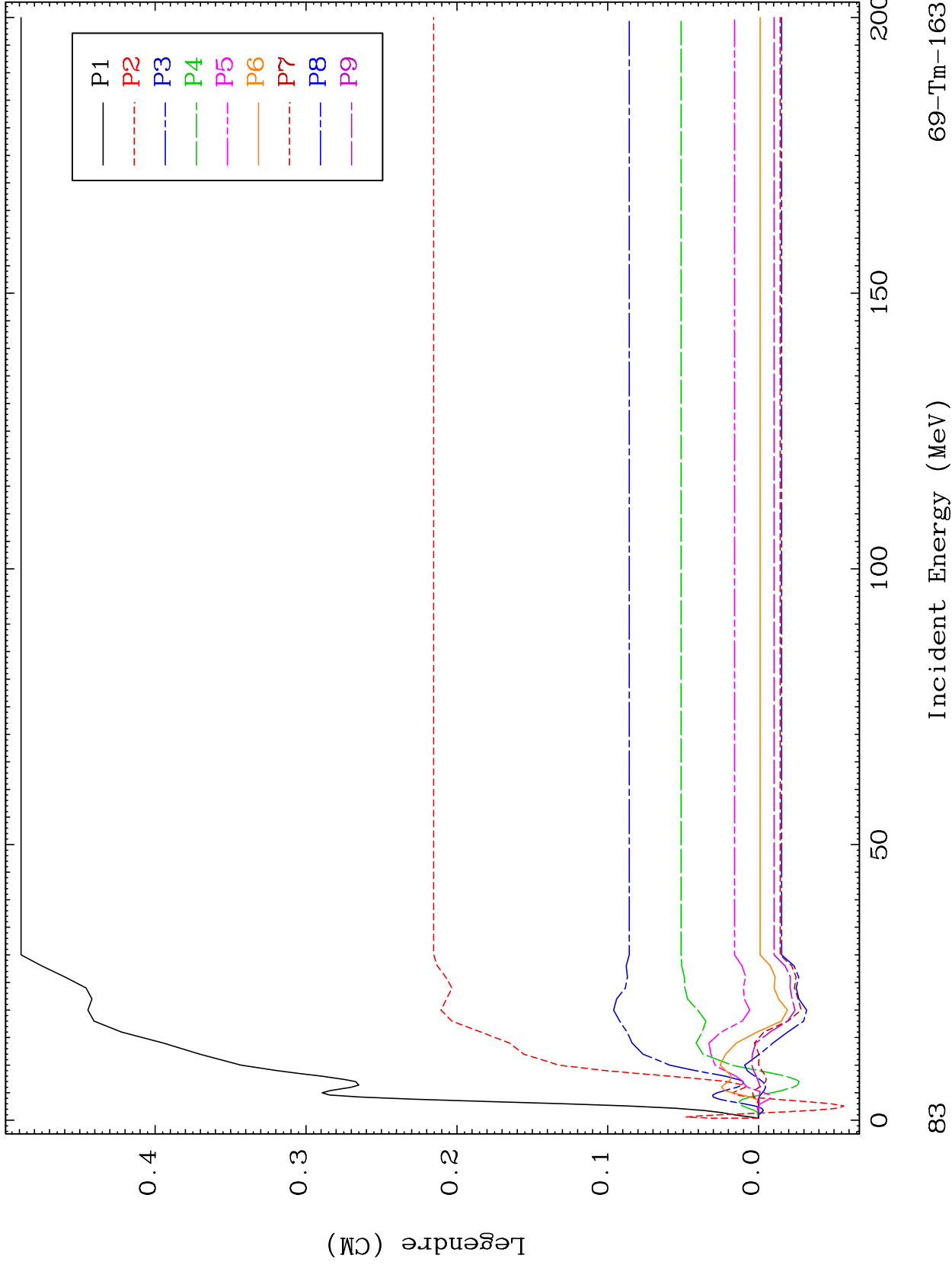
69-Tm-163



82

Incident Energy (MeV)

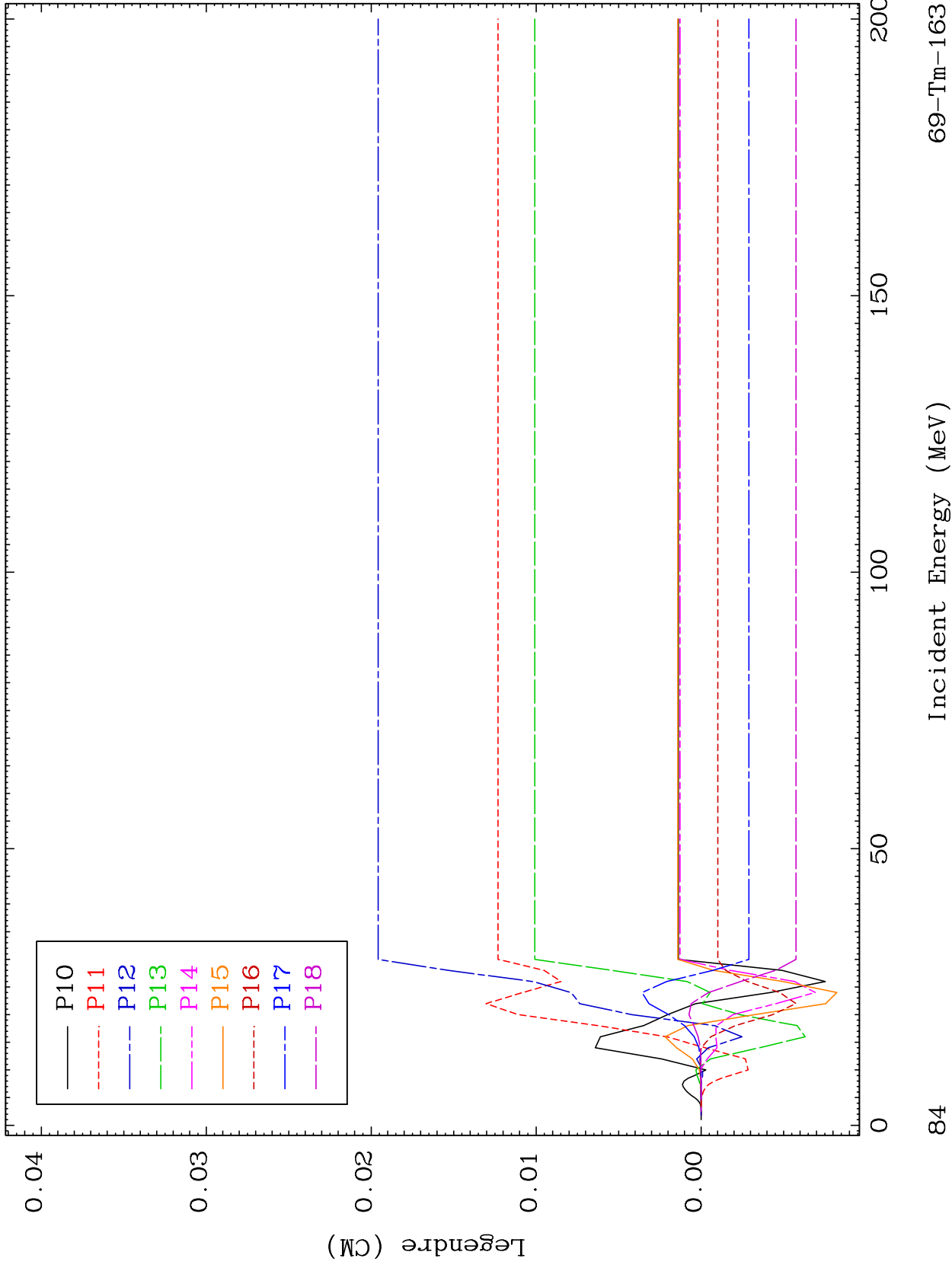
69-Tm-163



MAT 6907

369.1 keV (n,n') Level
Legendre Coefficients

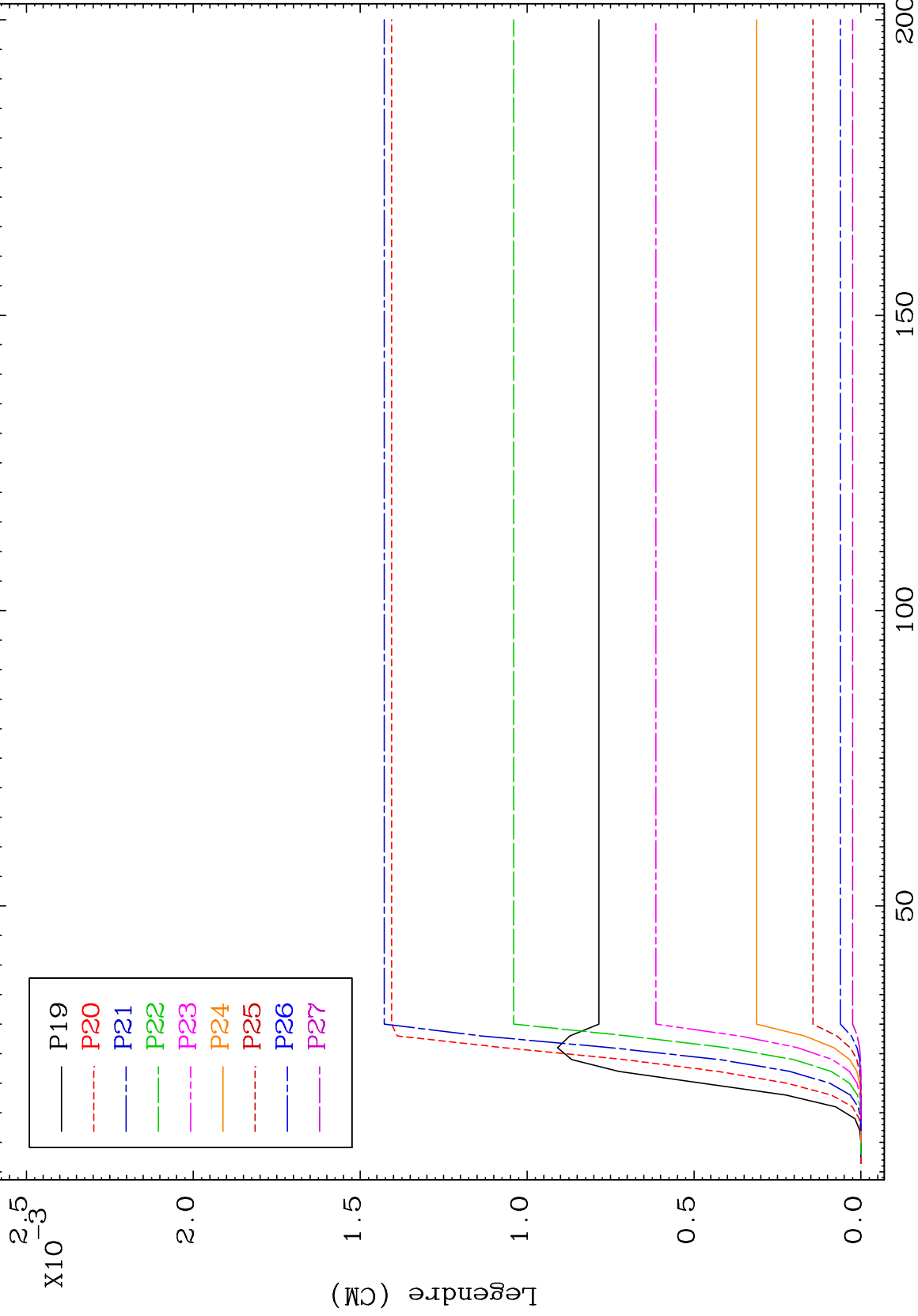
69-Tm-163



MAT 6907

369.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



85

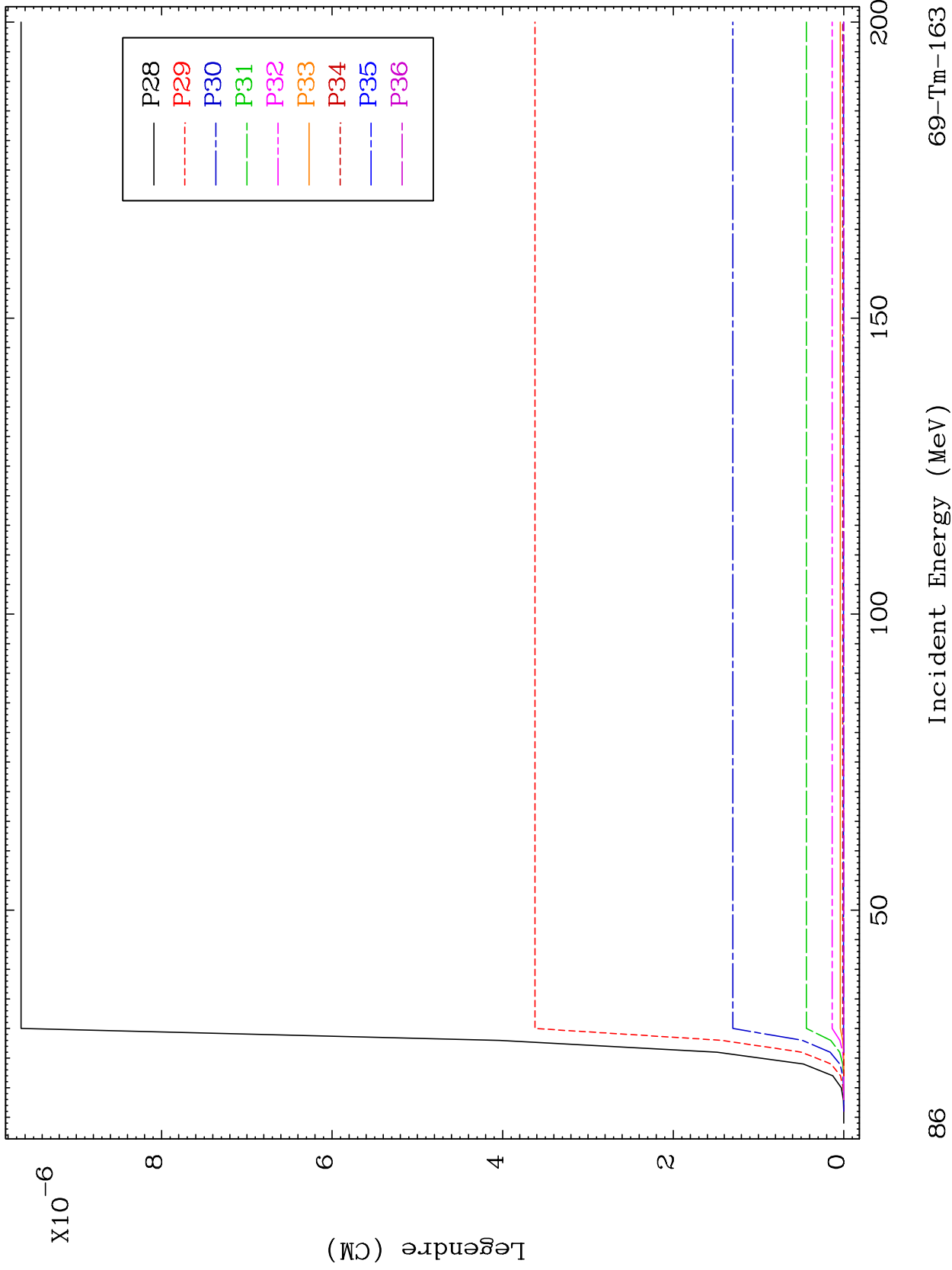
Incident Energy (MeV)

69-Tm-163

MAT 6907

369.1 keV (n,n') Level
Legendre Coefficients

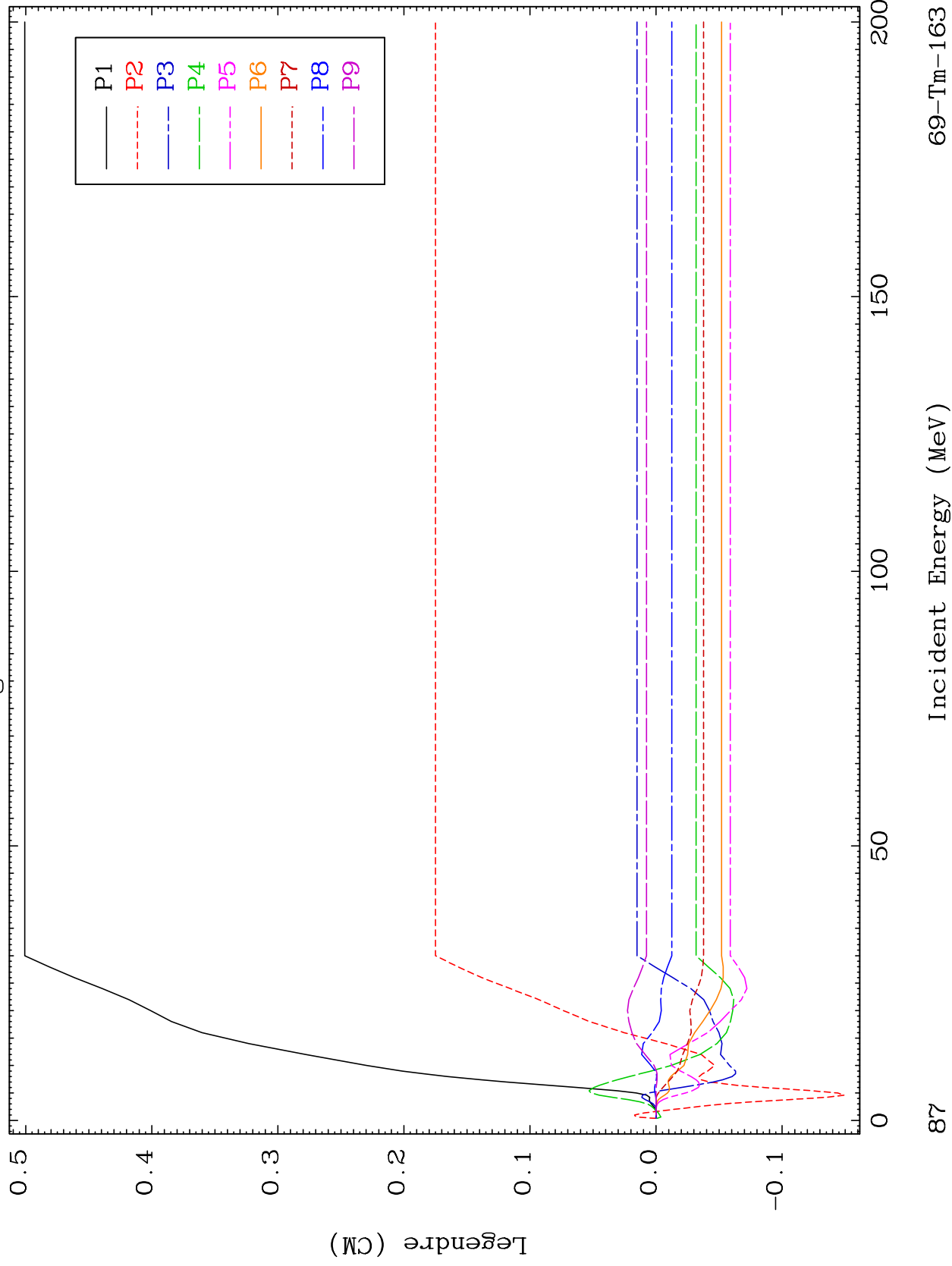
69-Tm-163



MAT 6907

383.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

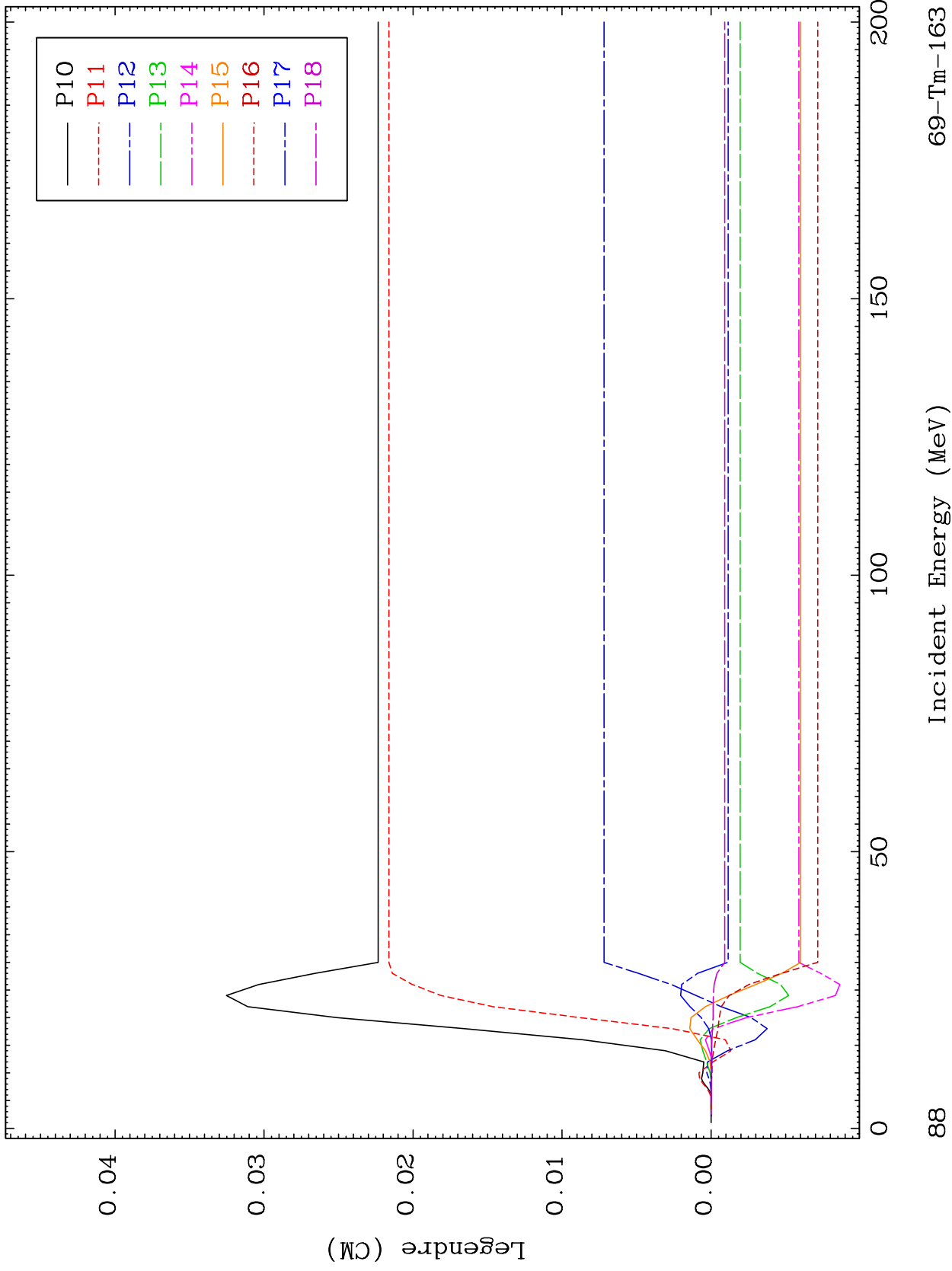
Incident Energy (MeV)

87

MAT 6907

383.1 keV (n,n') Level
Legendre Coefficients

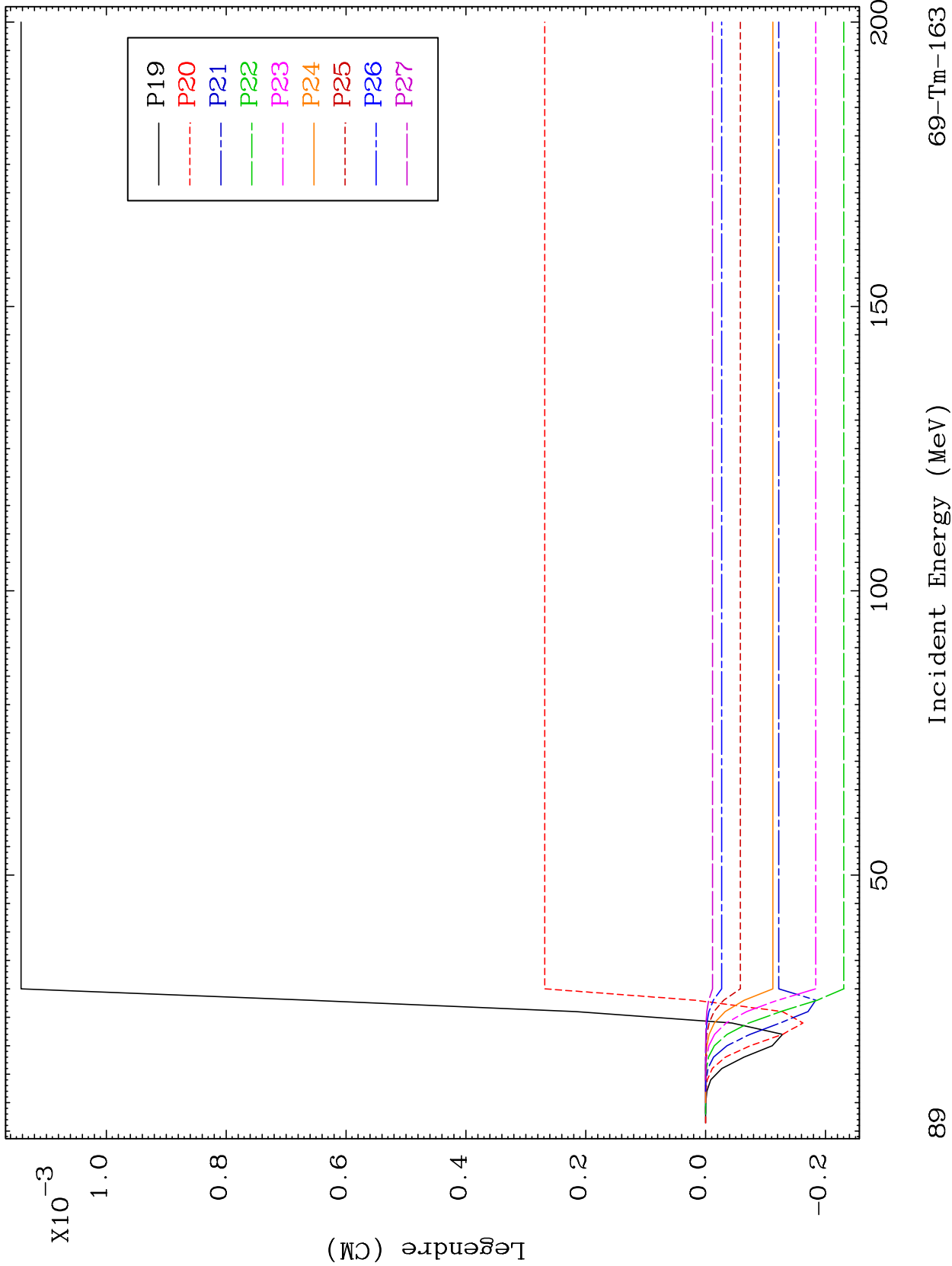
69-Tm-163

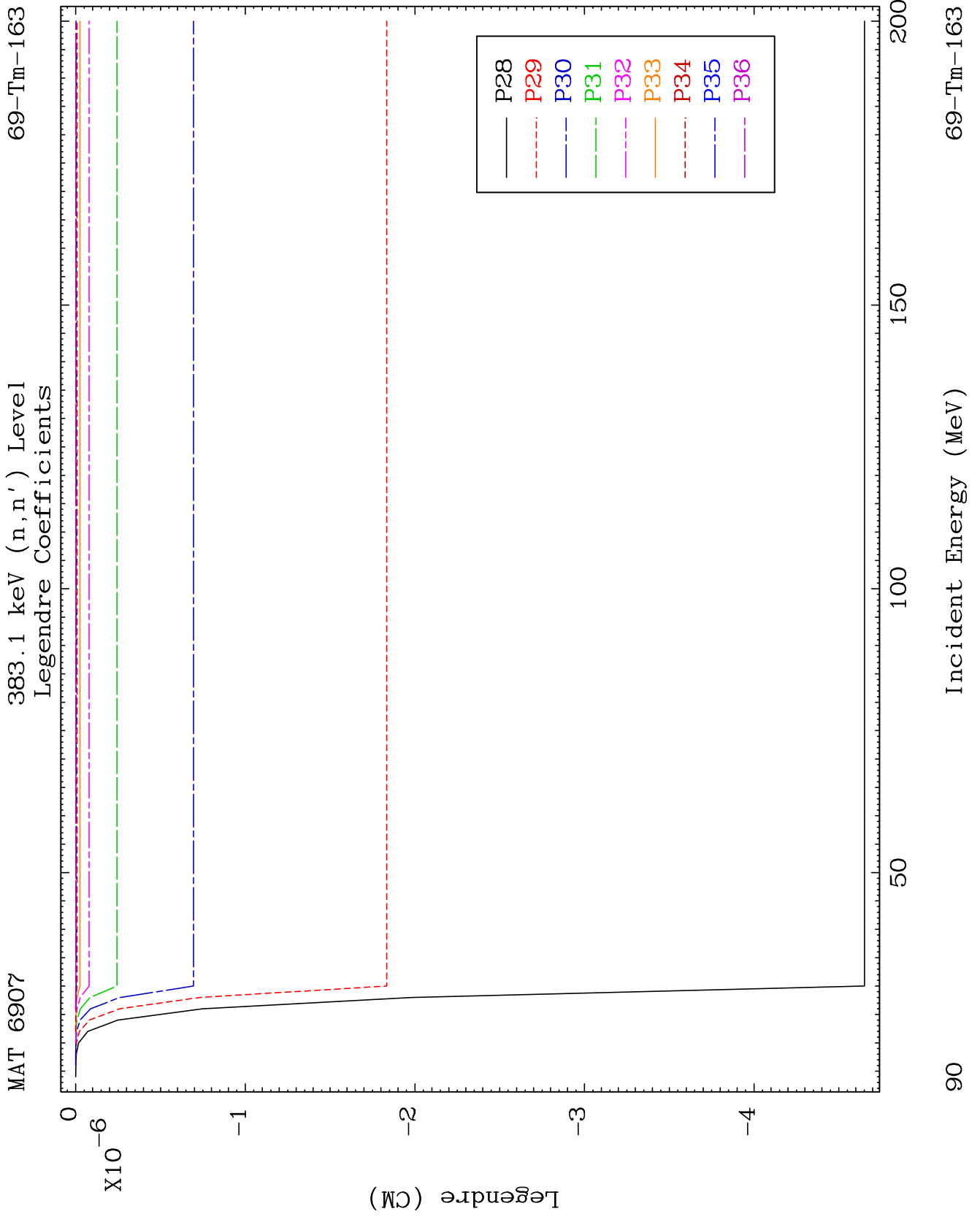


69-Tm-163

Incident Energy (MeV)

88

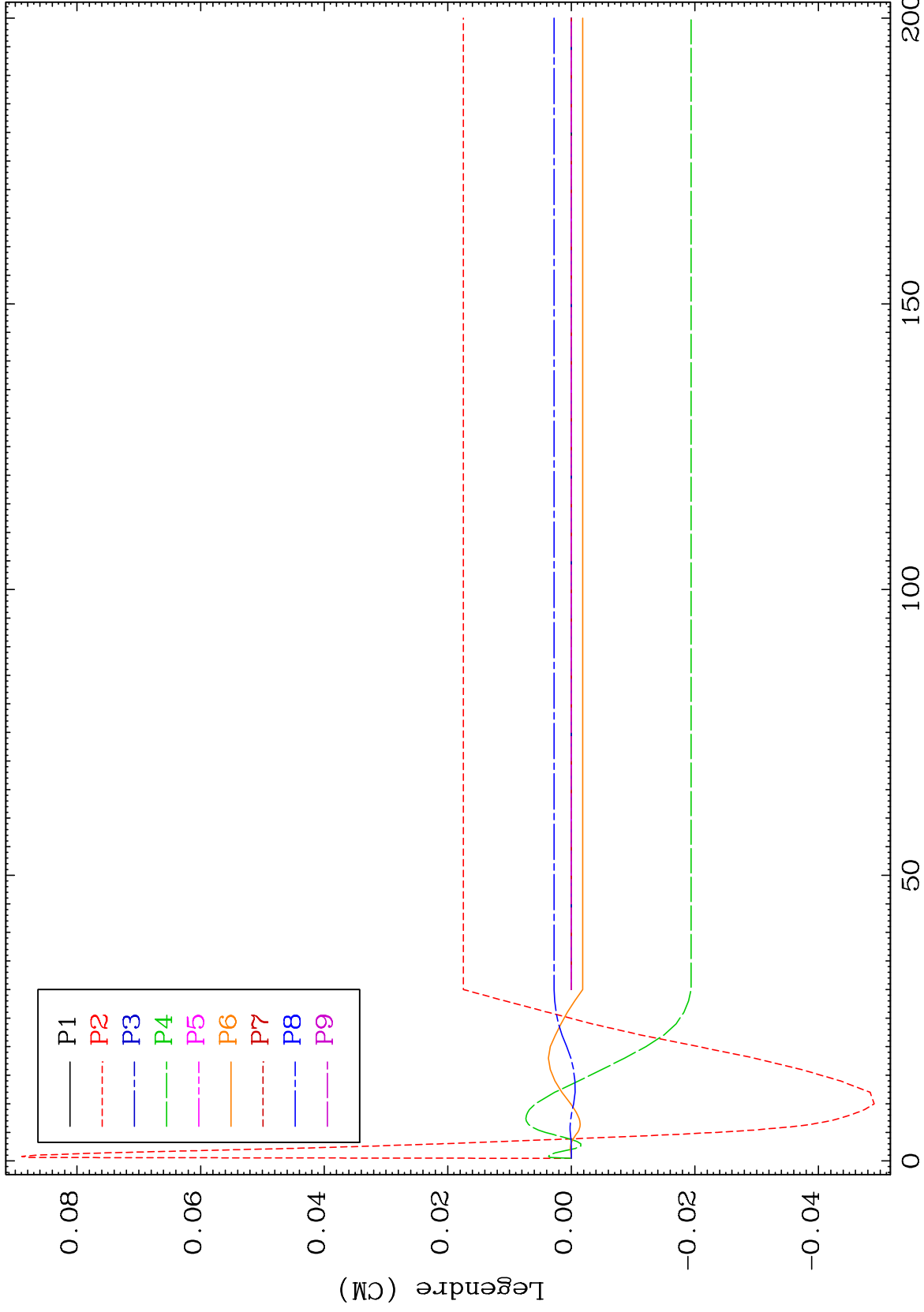




MAT 6907

436.9 keV (n,n') Level
Legendre Coefficients

69-Tm-163



91

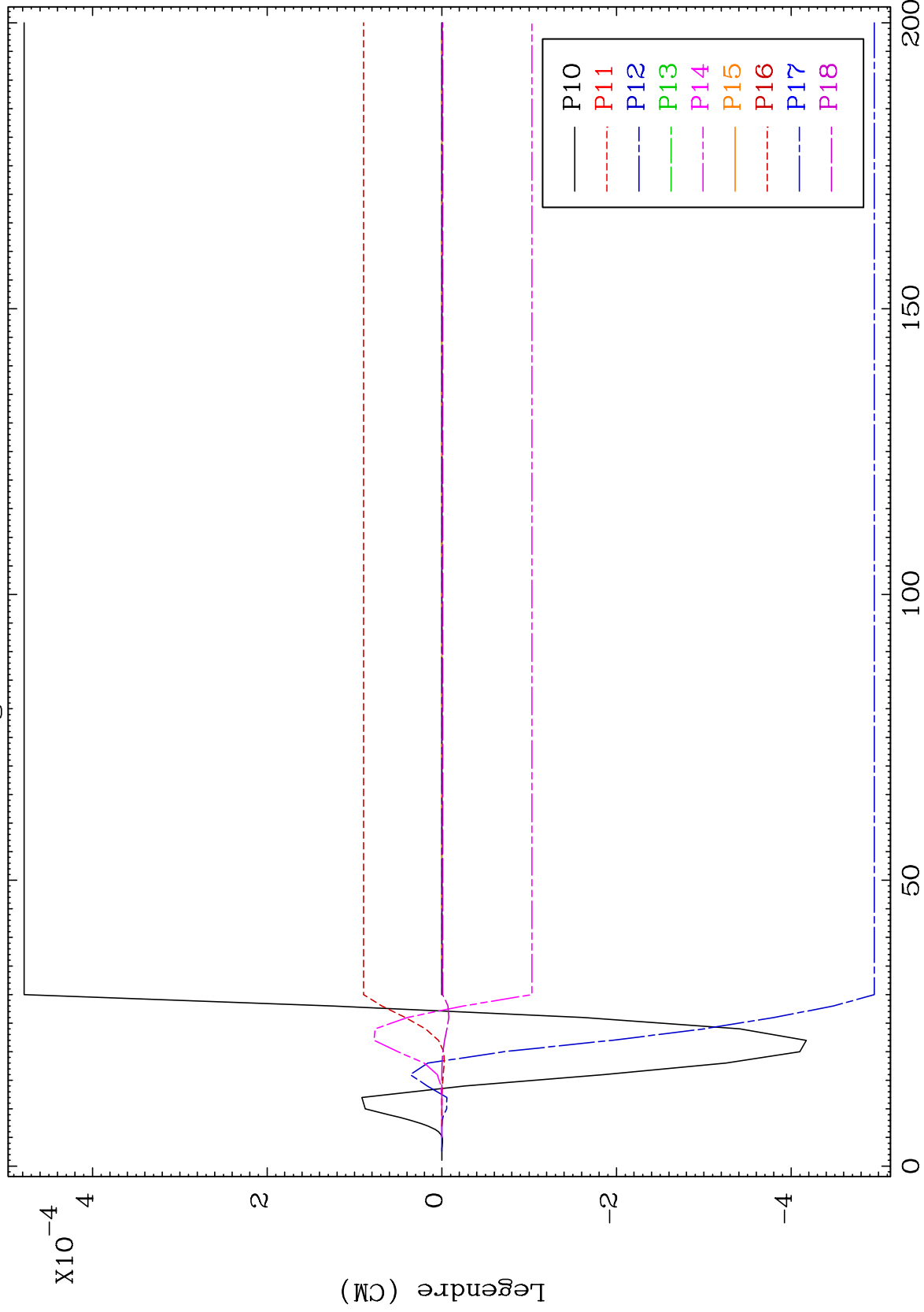
Incident Energy (MeV)

69-Tm-163

MAT 6907

436.9 keV (n,n') Level
Legendre Coefficients

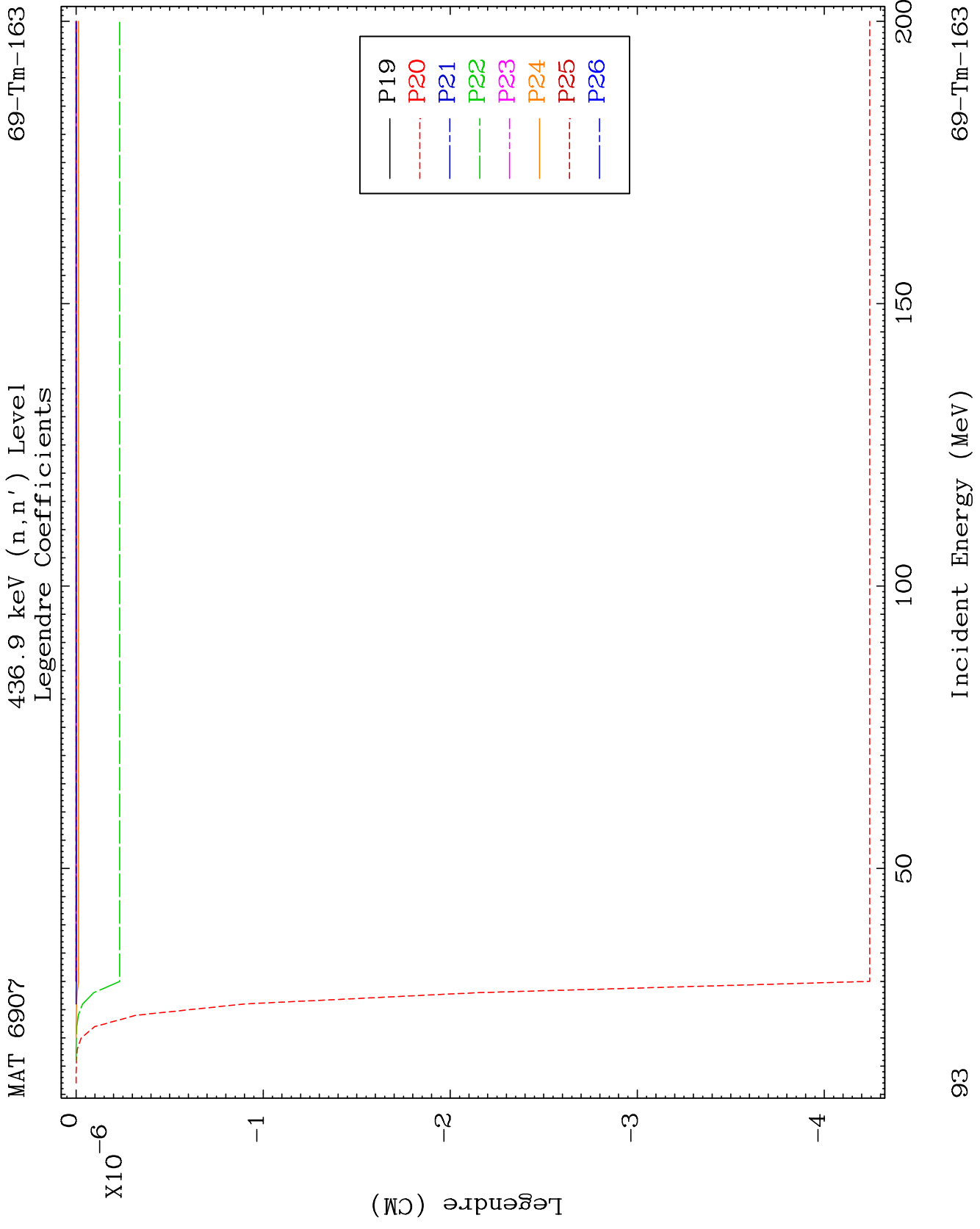
69-Tm-163



92

Incident Energy (MeV)

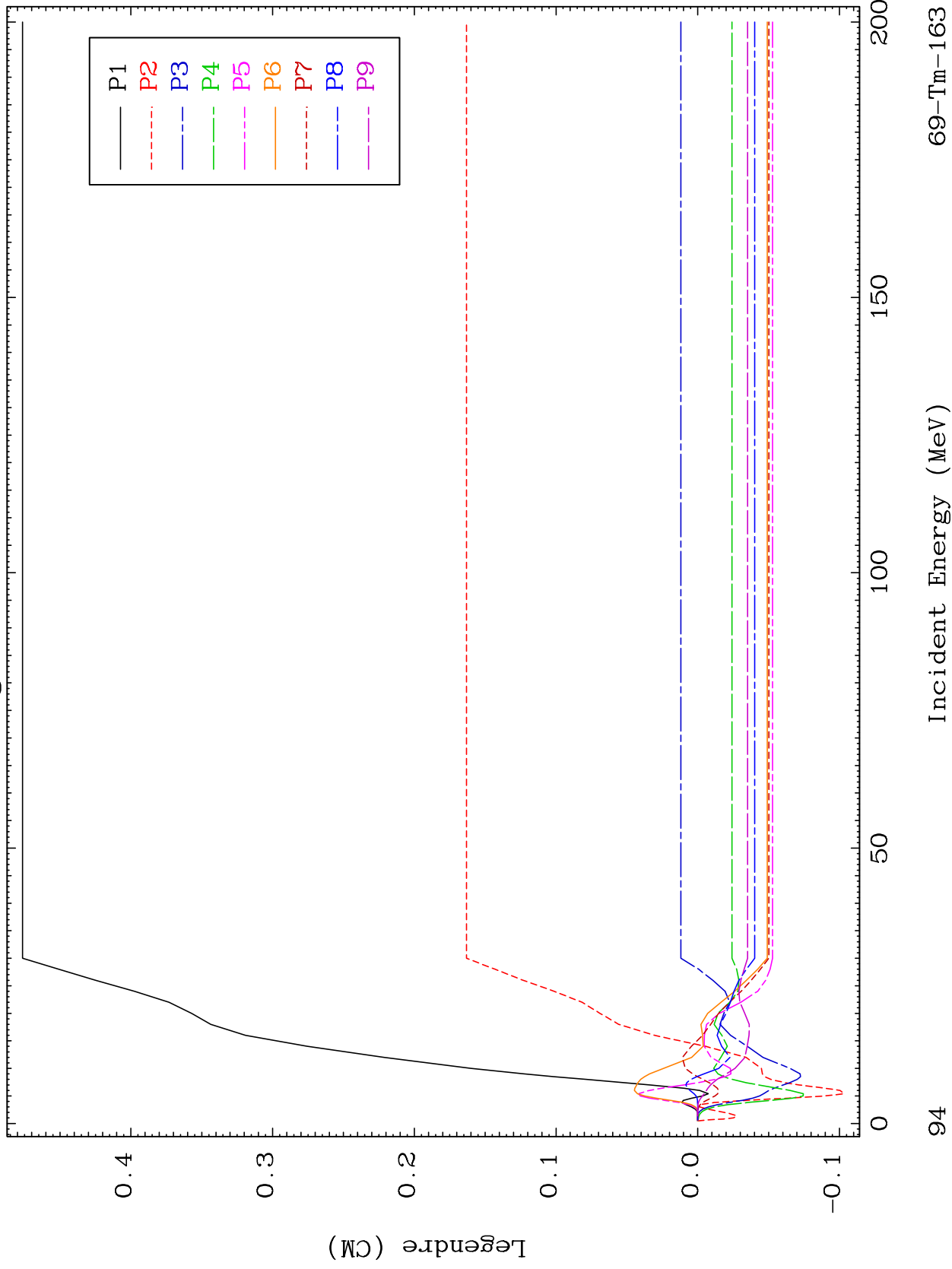
69-Tm-163



MAT 6907

449.2 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

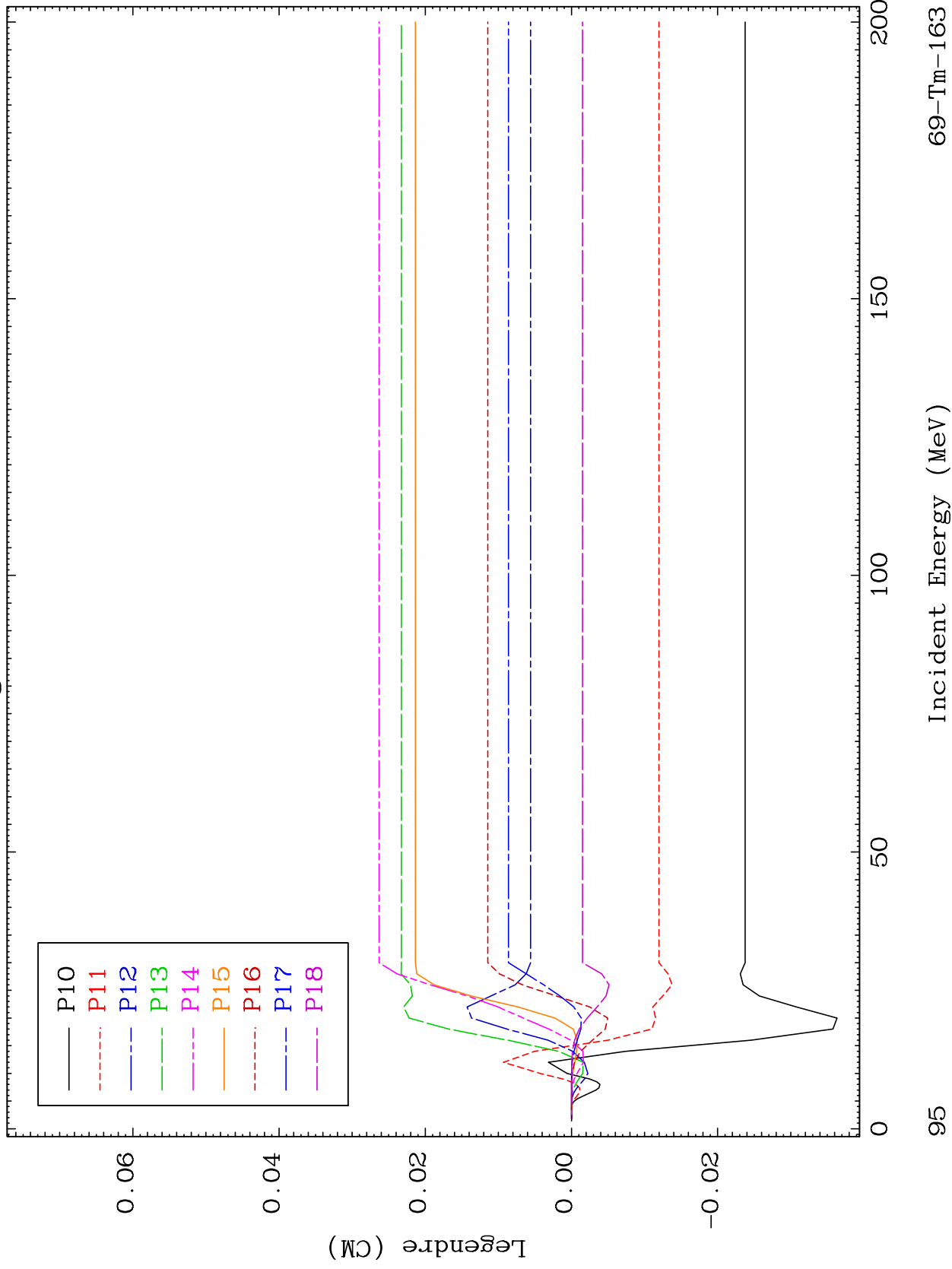
Incident Energy (MeV)

94

MAT 6907

449.2 keV (n,n') Level
Legendre Coefficients

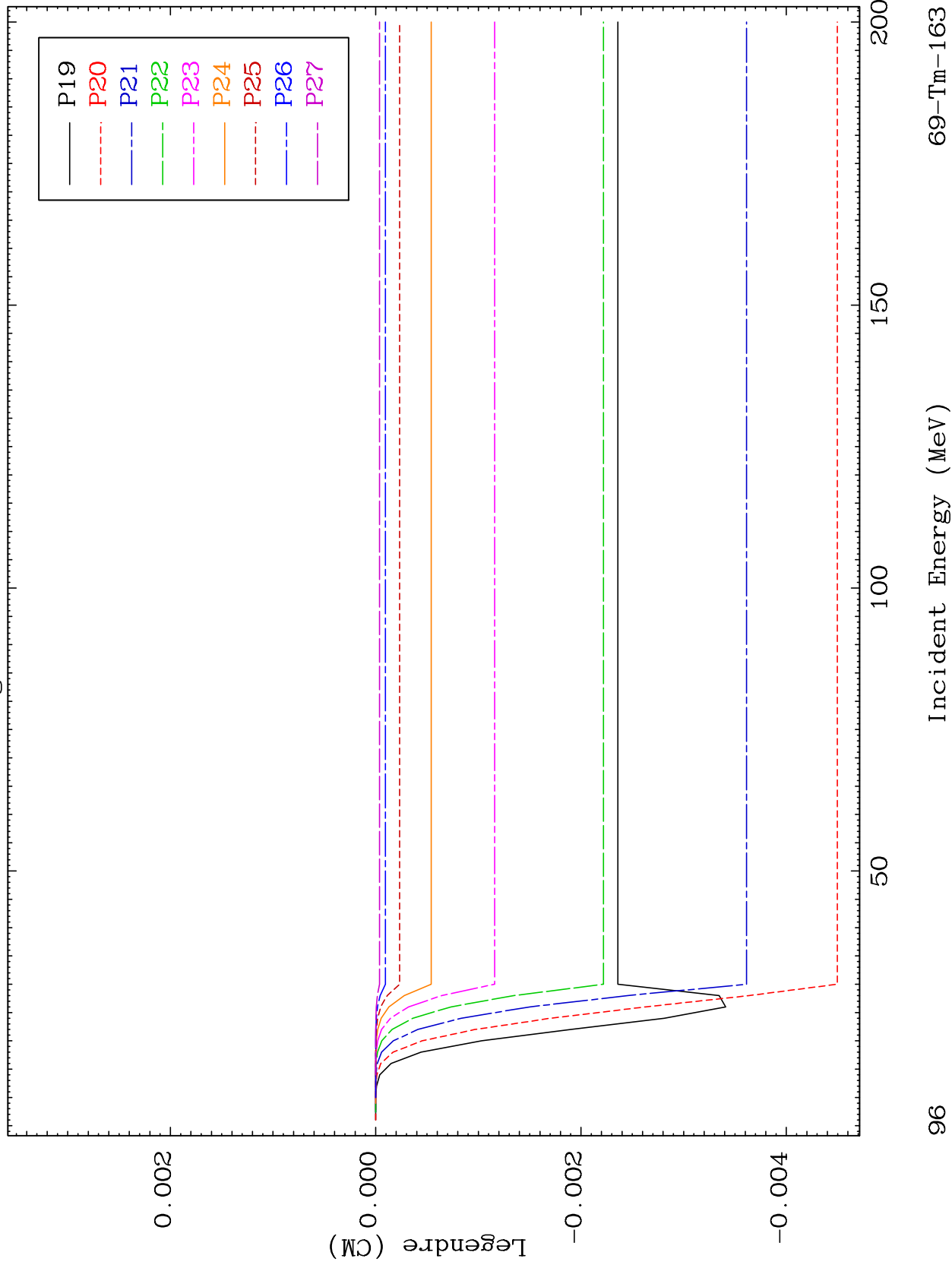
69-Tm-163

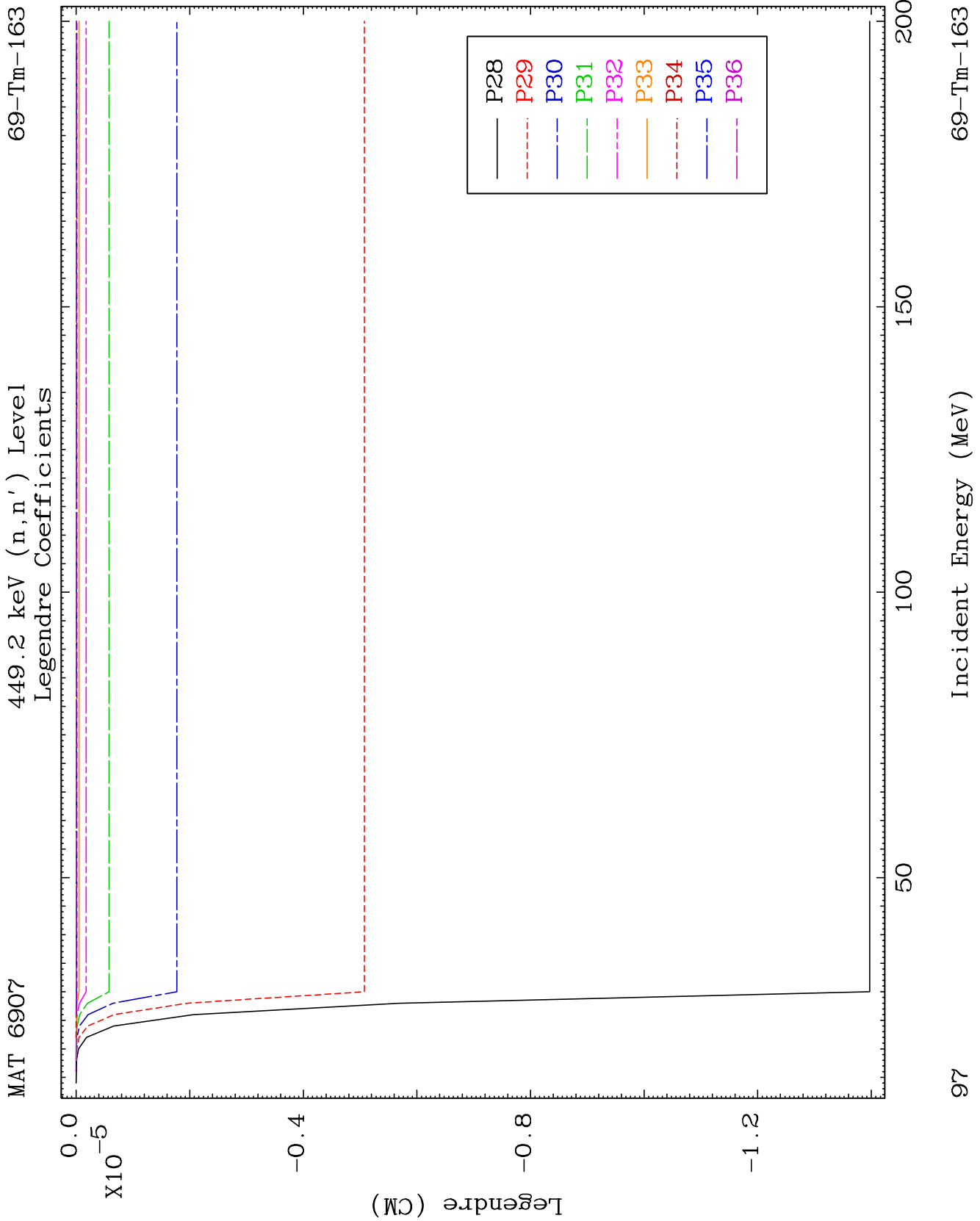


69-Tm-163

Incident Energy (MeV)

95

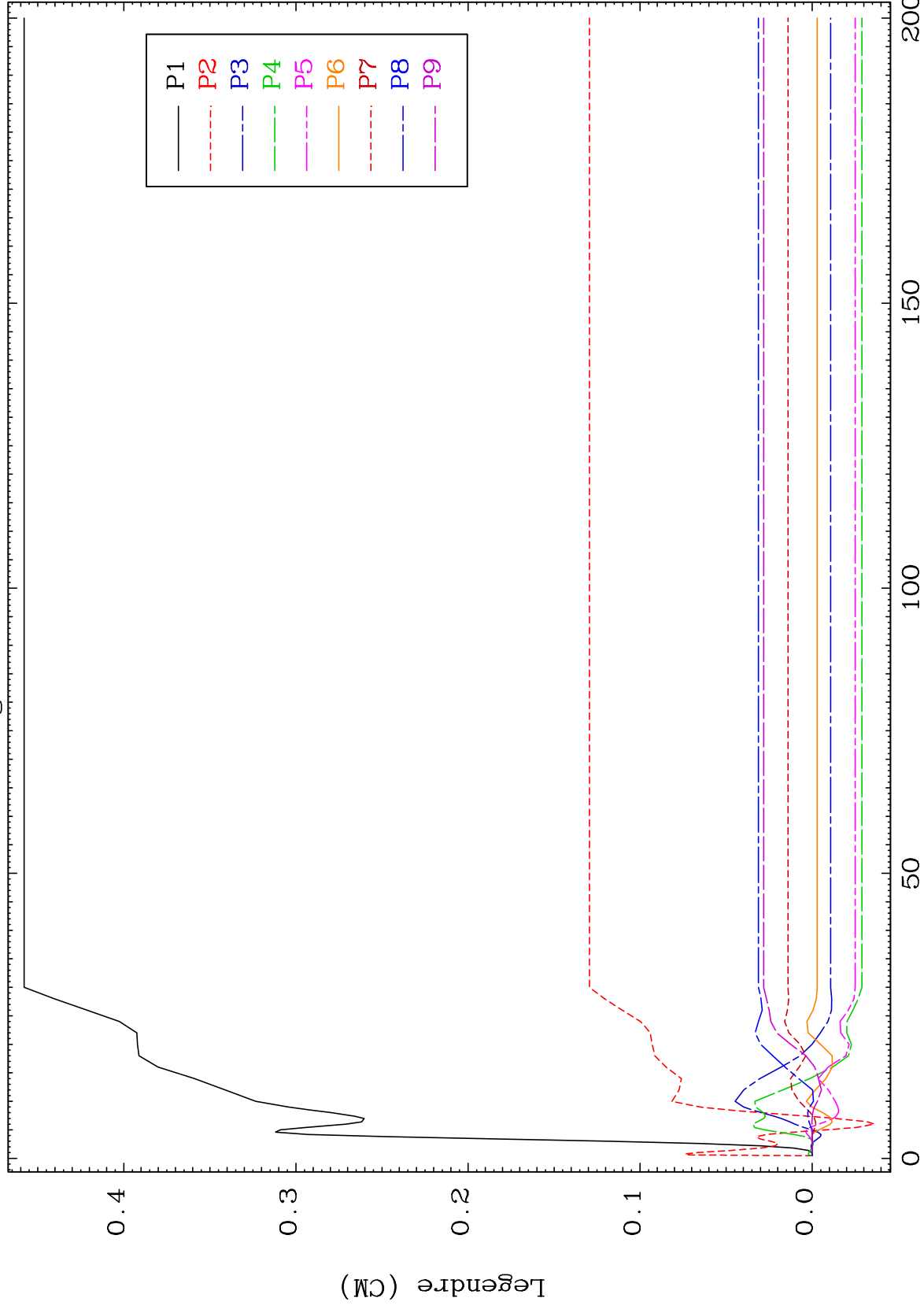




MAT 6907

451.2 keV (n,n') Level
Legendre Coefficients

69-Tm-163



98

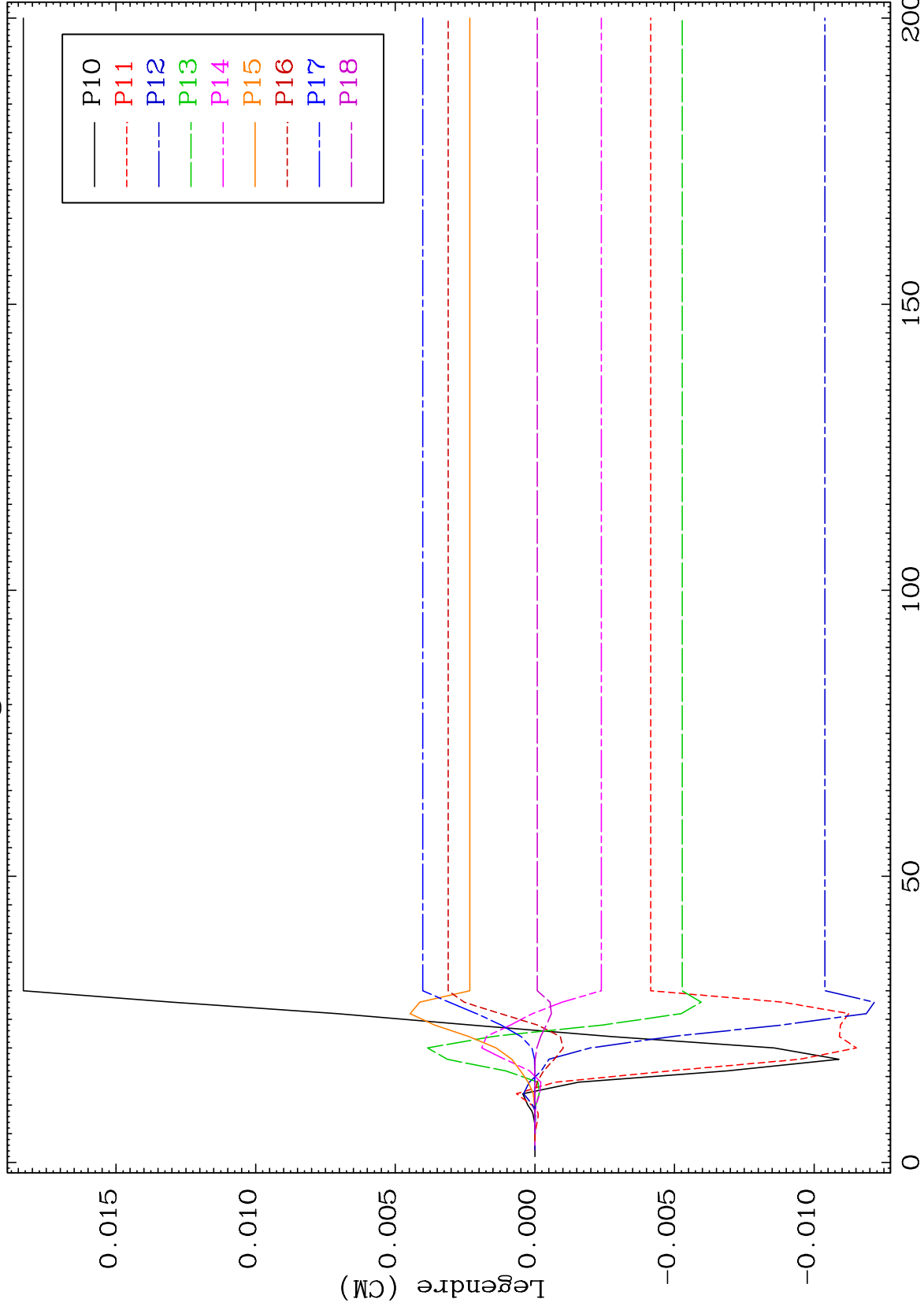
Incident Energy (MeV)

69-Tm-163

MAT 6907

451.2 keV (n,n') Level
Legendre Coefficients

69-Tm-163



99

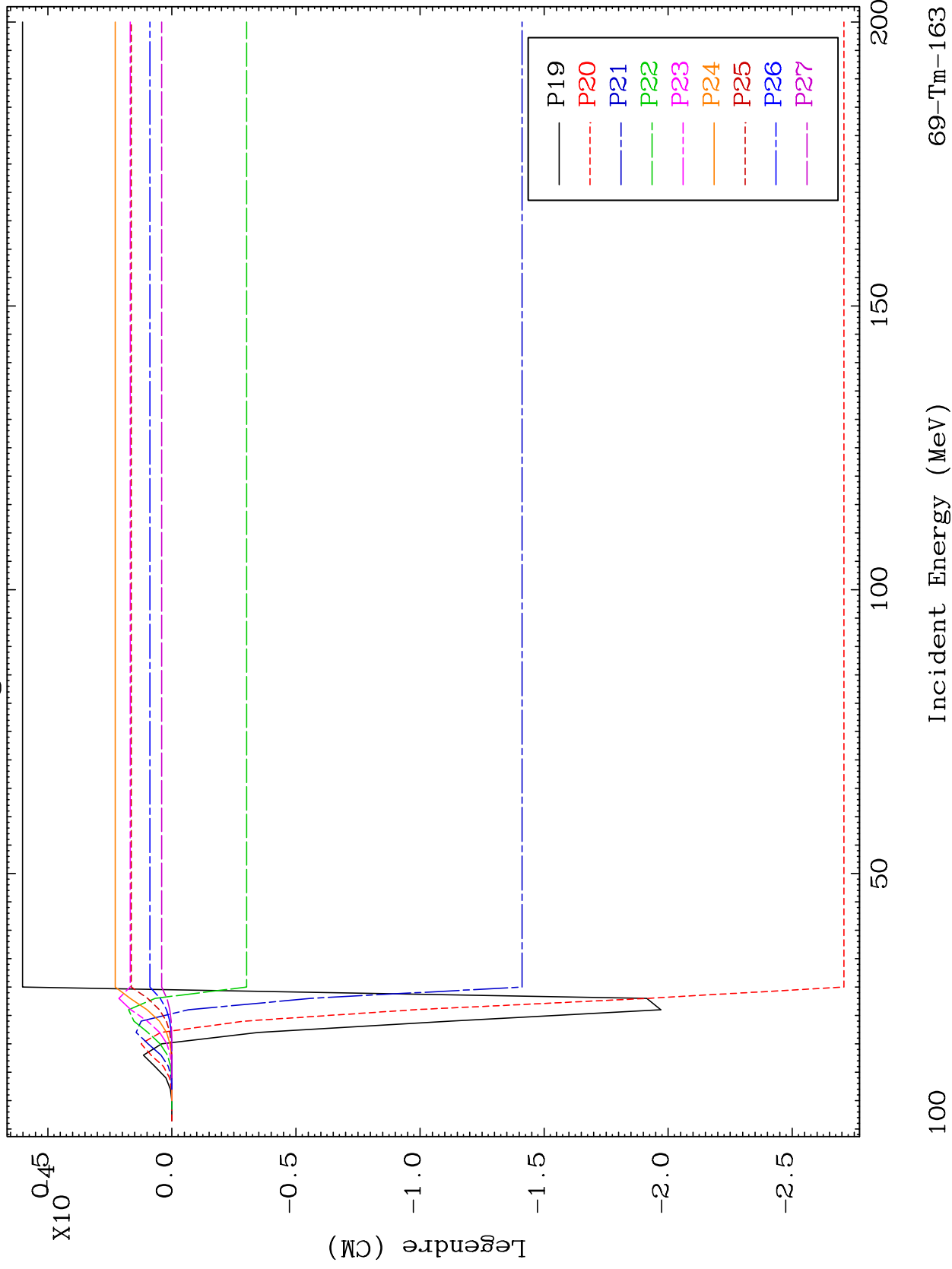
Incident Energy (MeV)

69-Tm-163

MAT 6907

451.2 keV (n,n') Level
Legendre Coefficients

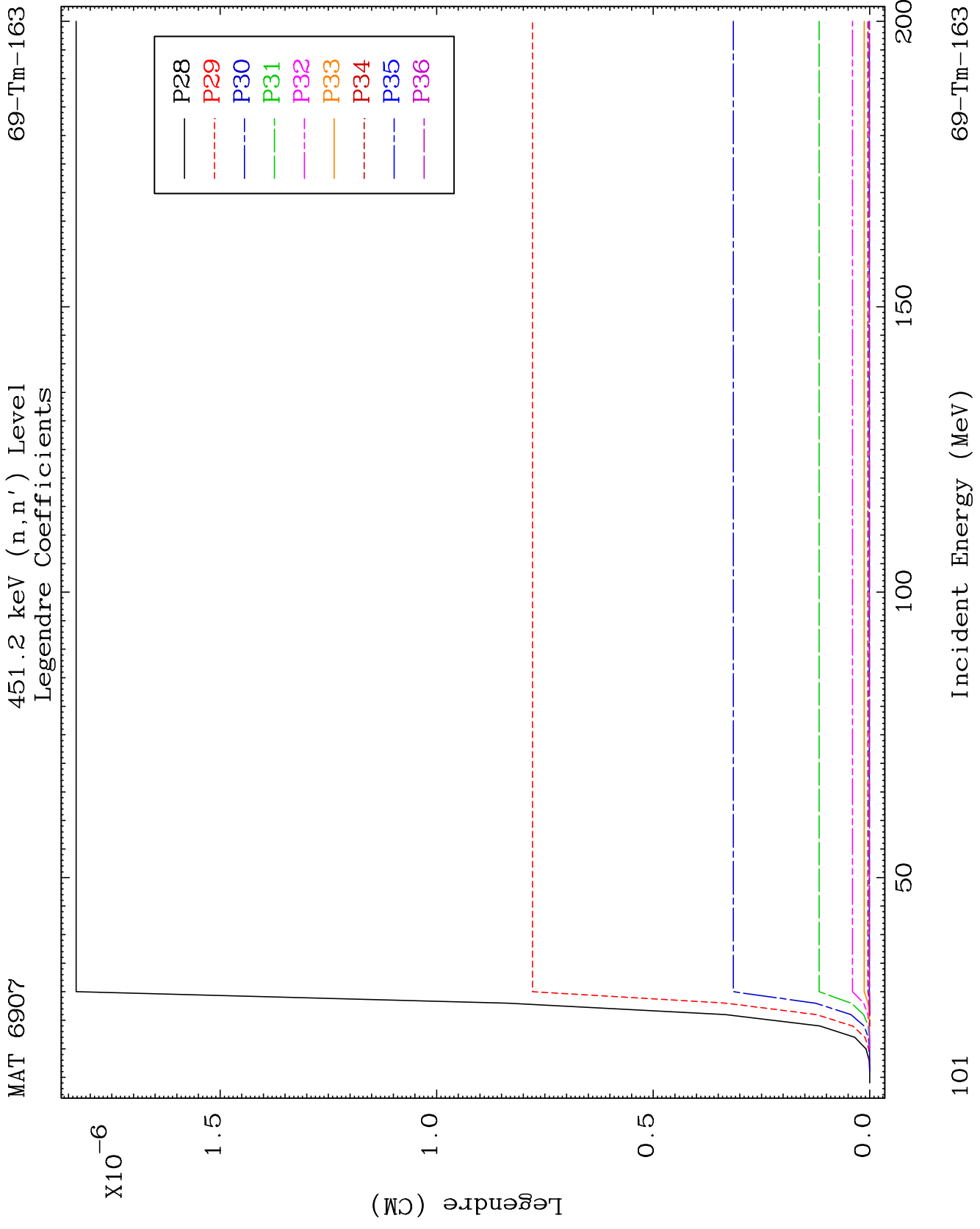
69-Tm-163



69-Tm-163

Incident Energy (MeV)

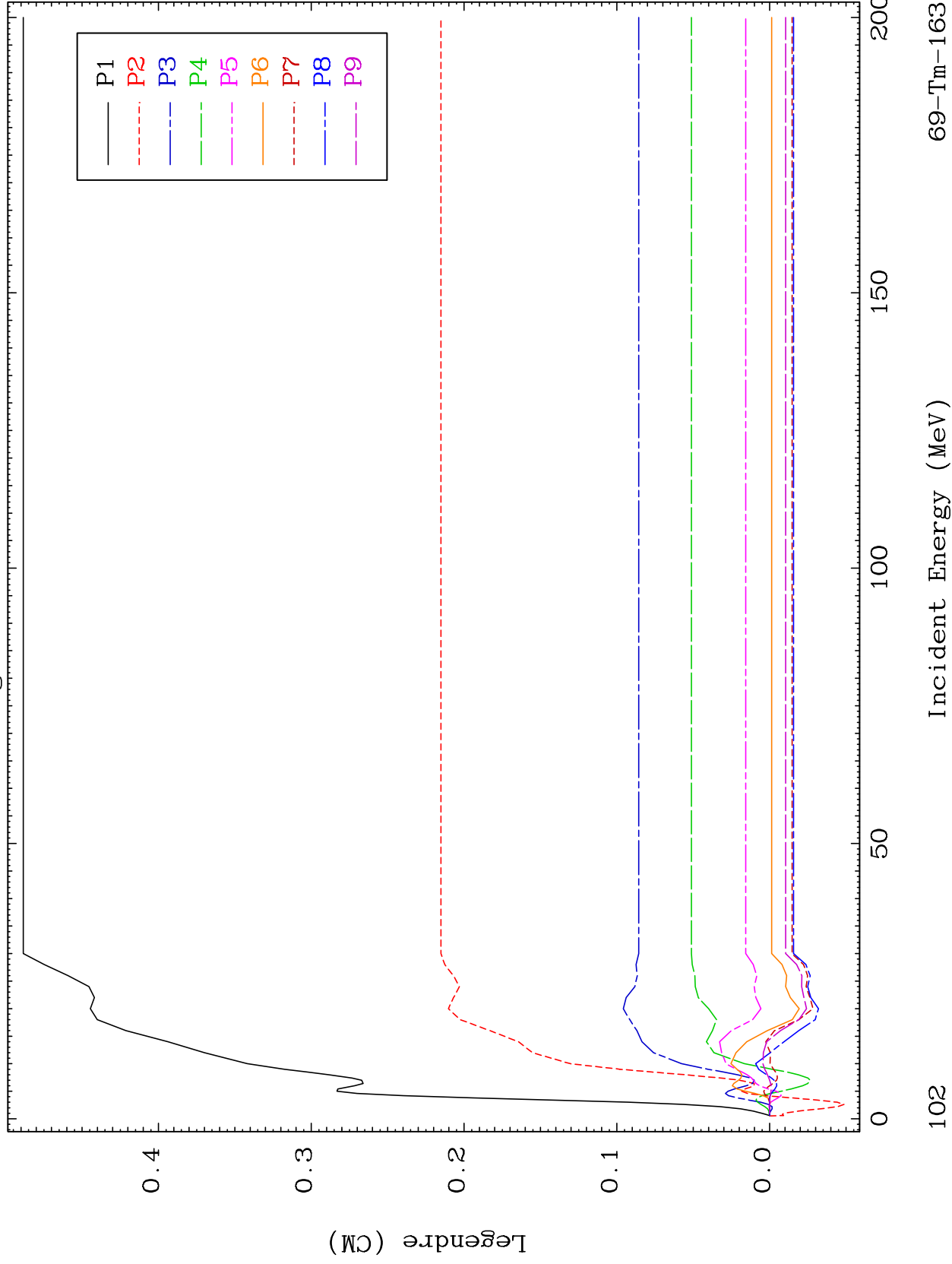
100



MAT 6907

498.0 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

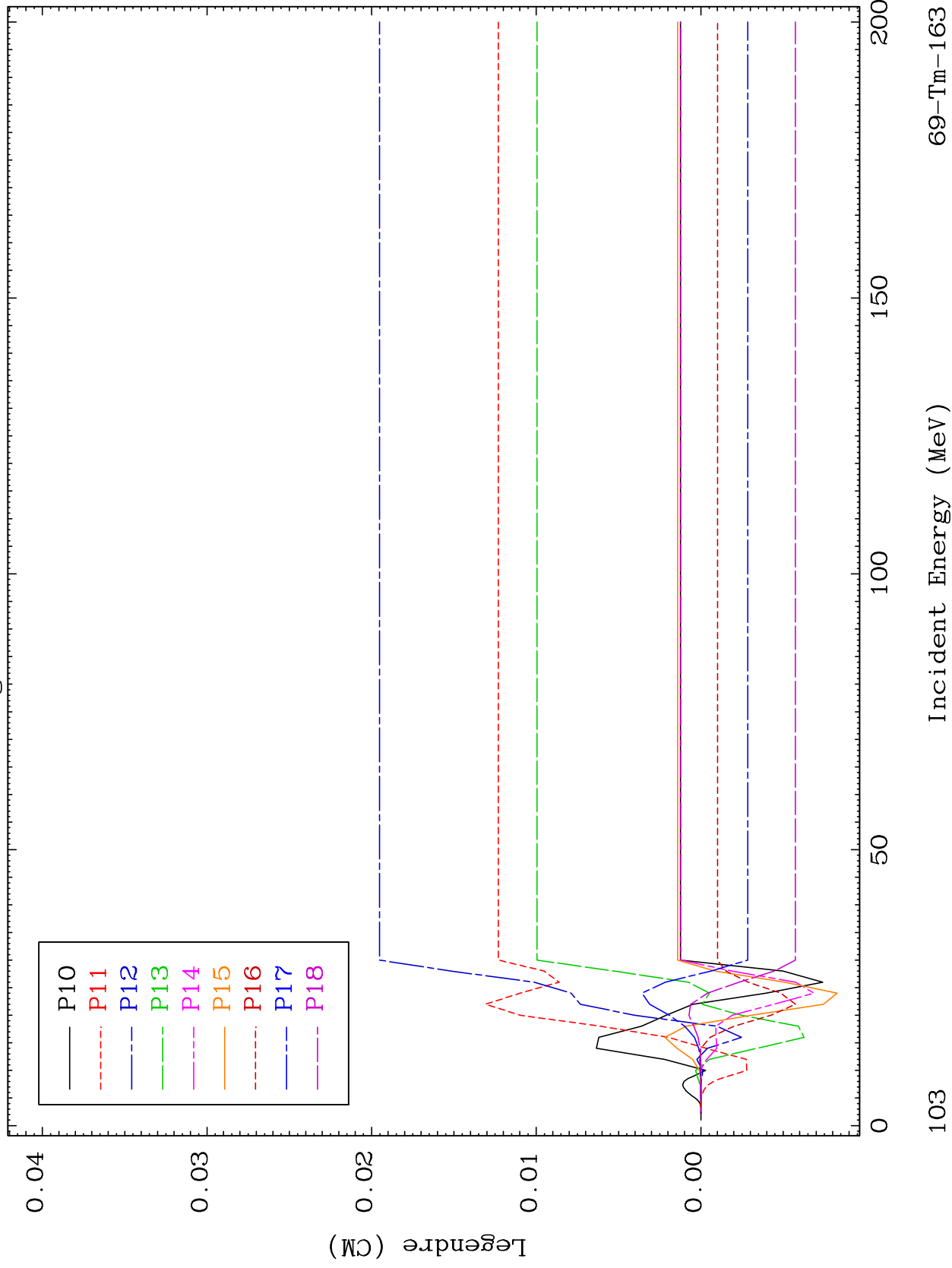
Incident Energy (MeV)

102

MAT 6907

498.0 keV (n,n') Level
Legendre Coefficients

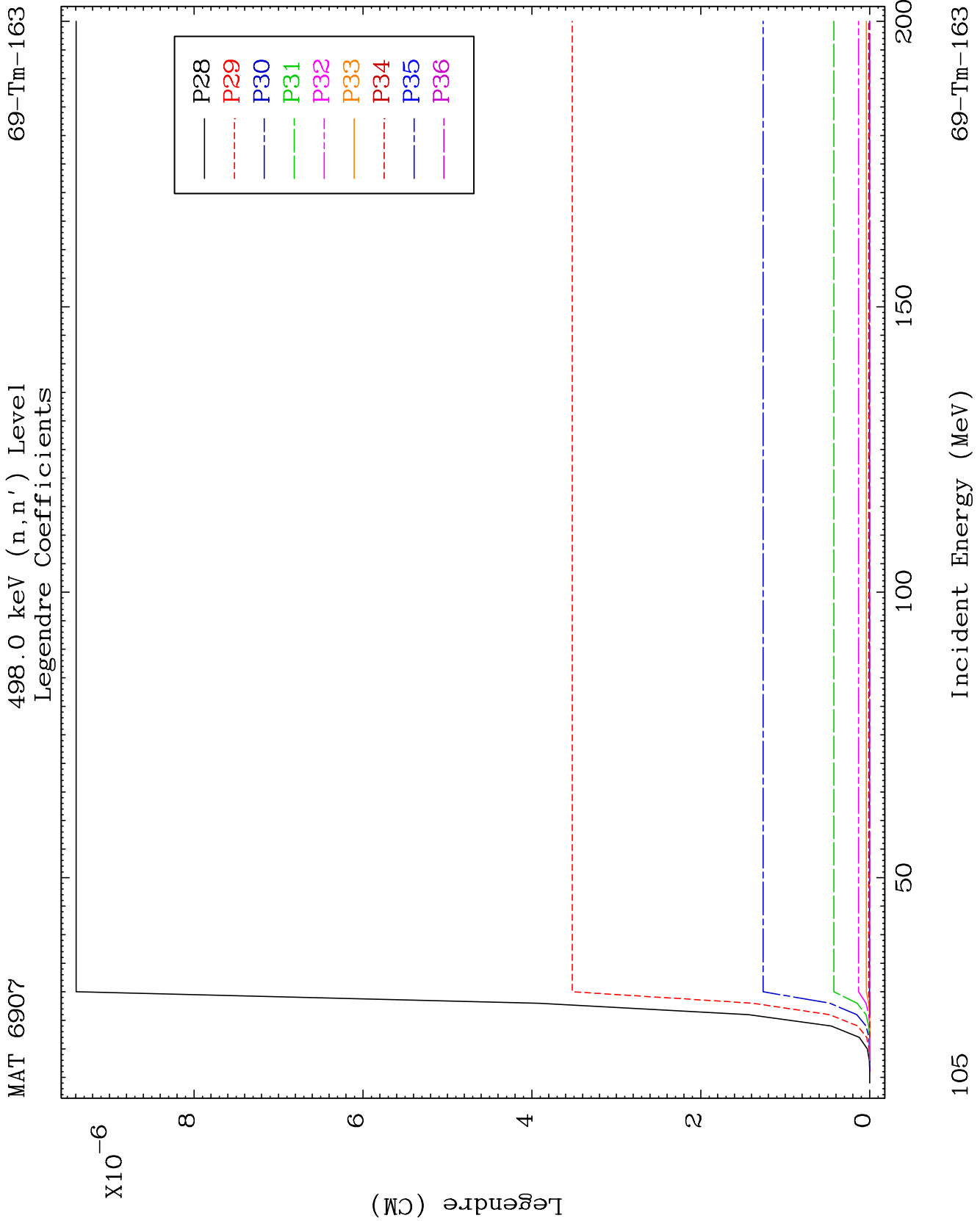
69-Tm-163



103

Incident Energy (MeV)

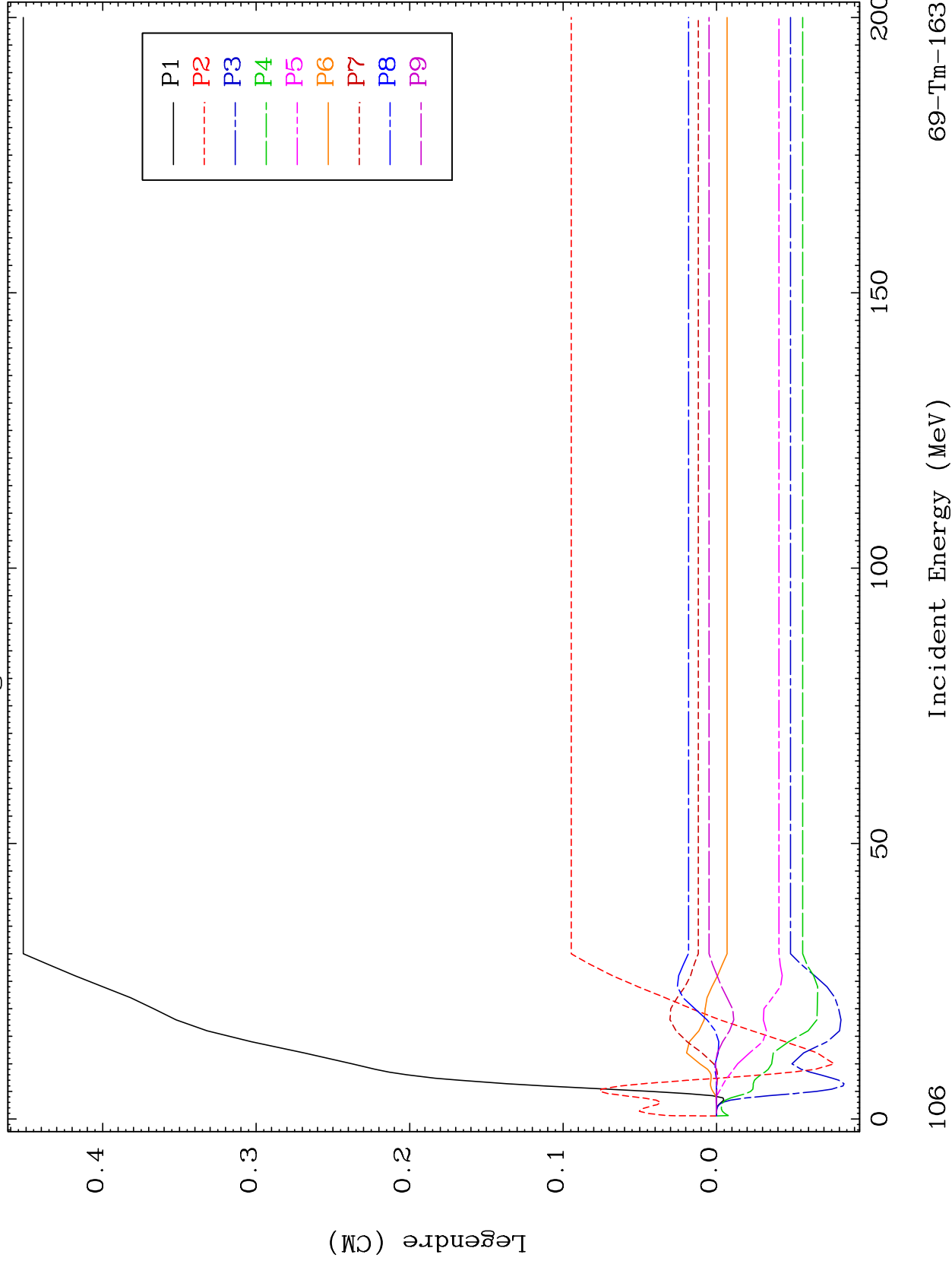
69-Tm-163



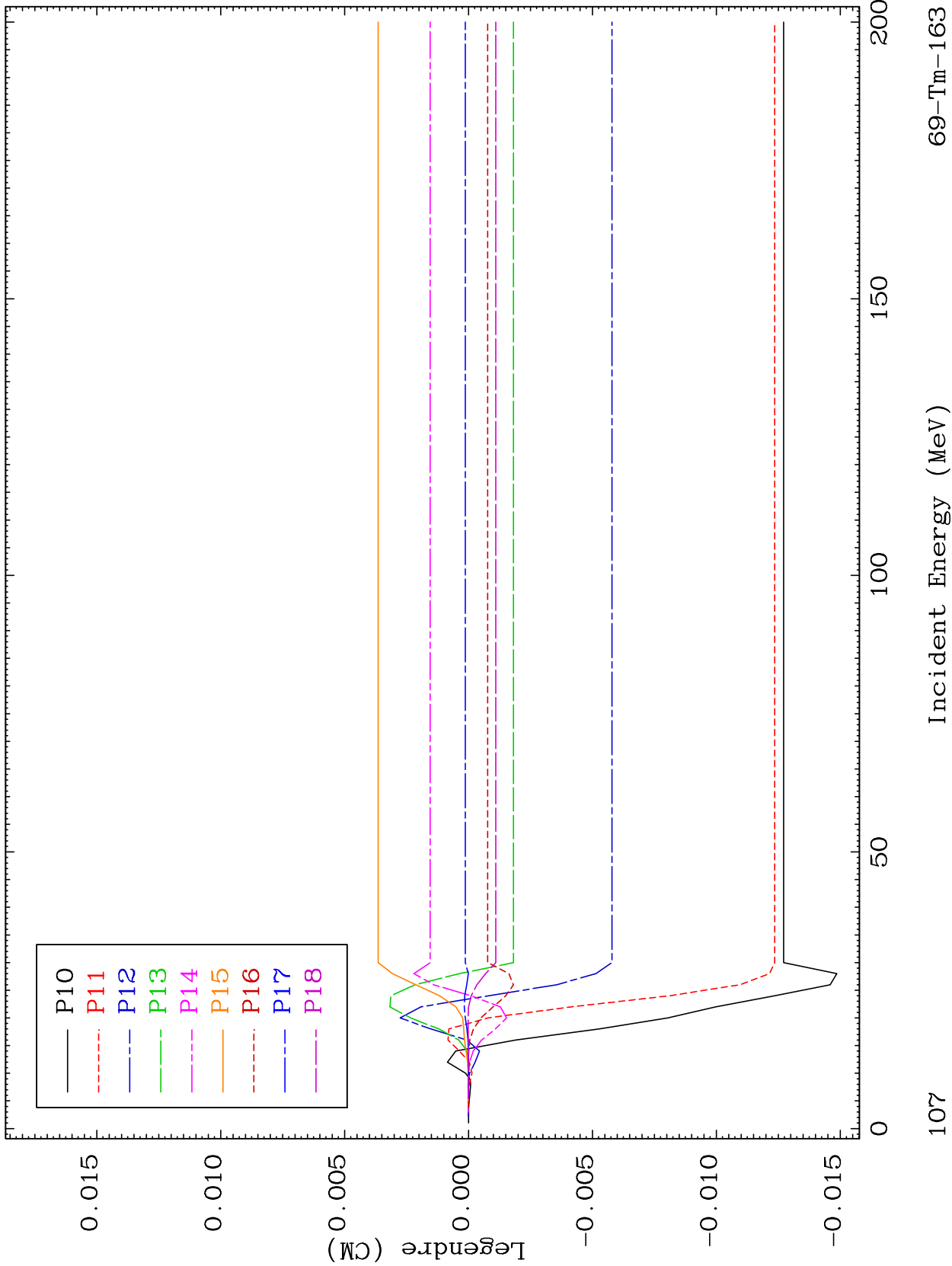
MAT 6907

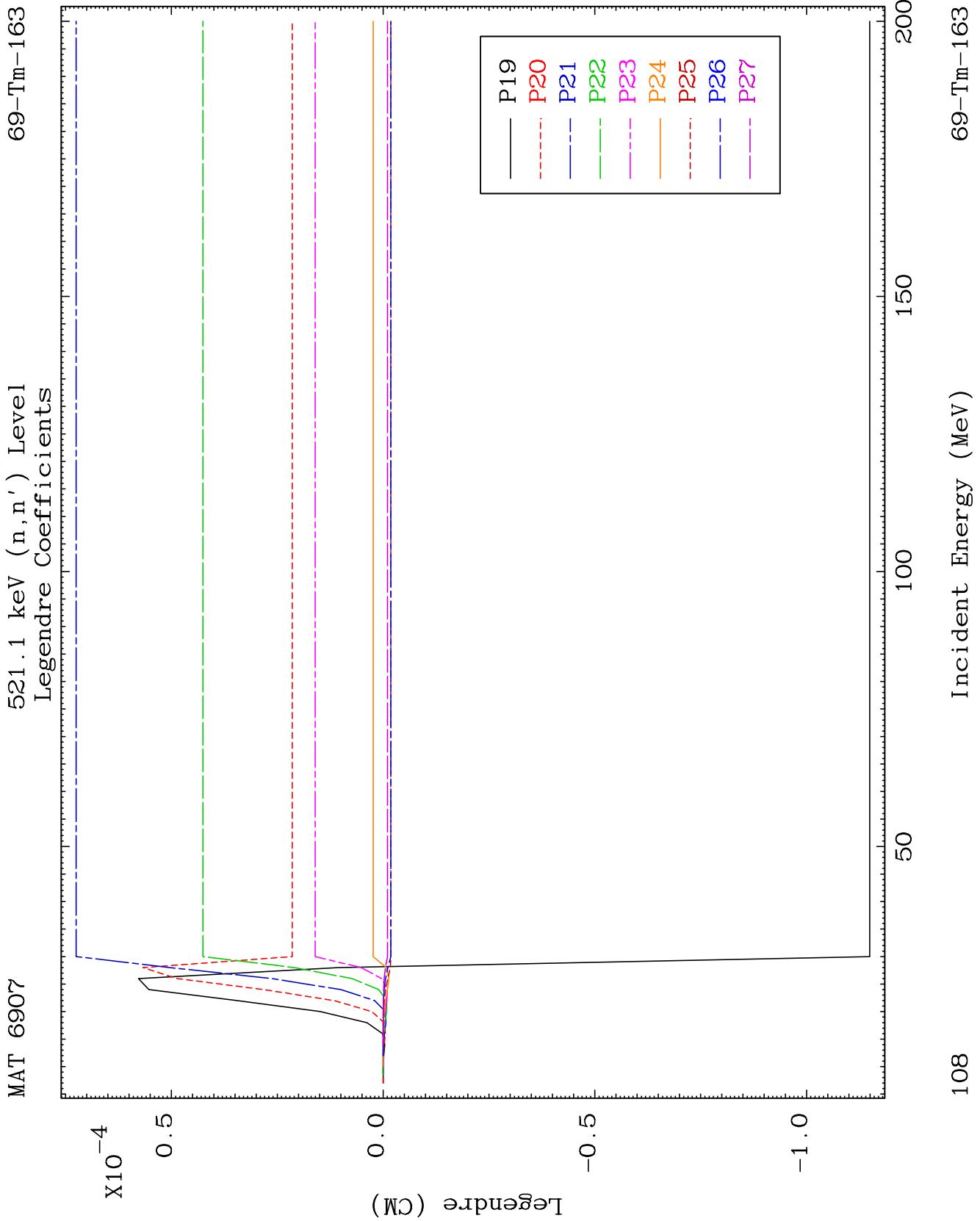
521.1 keV (n,n') Level
Legendre Coefficients

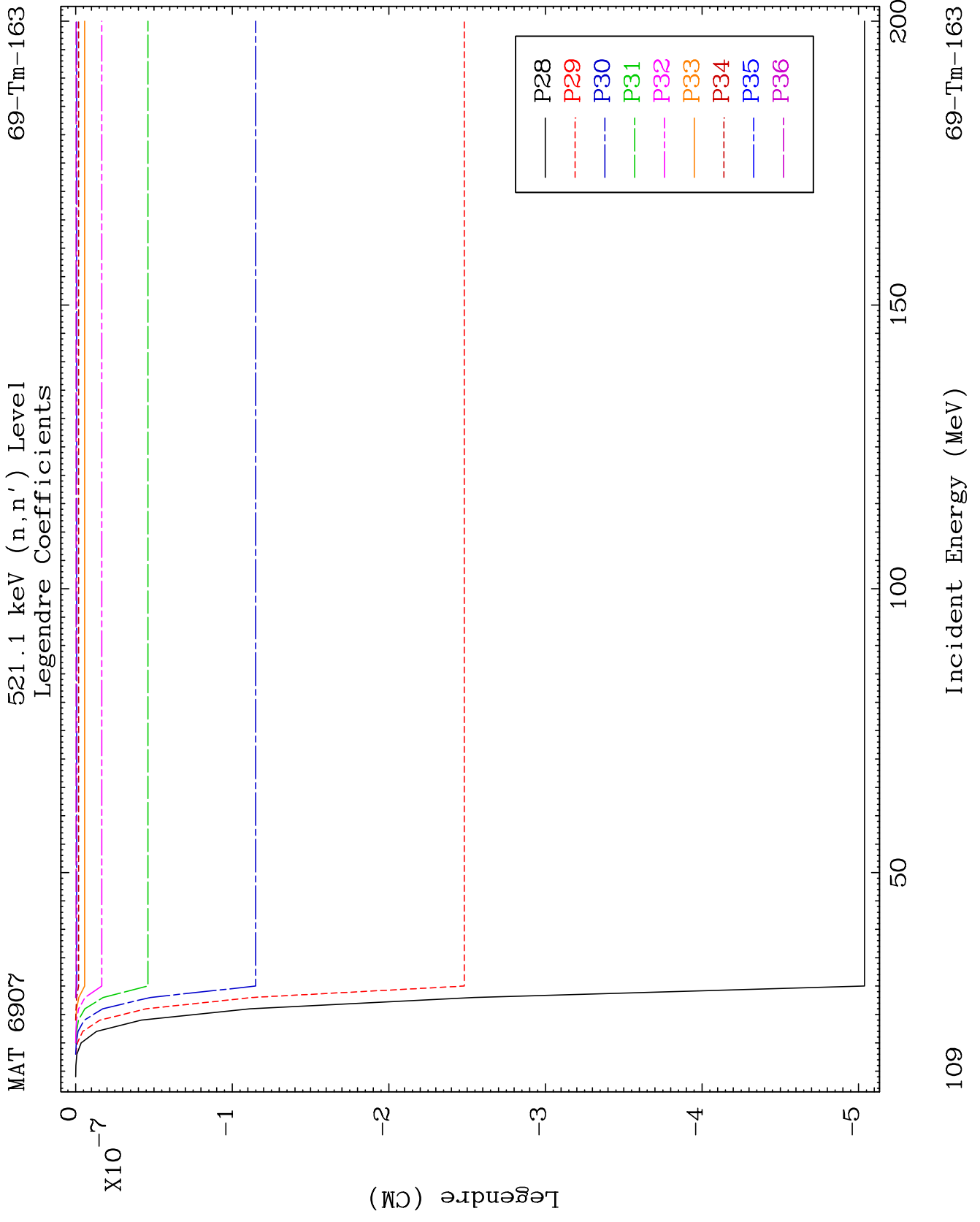
69-Tm-163



106



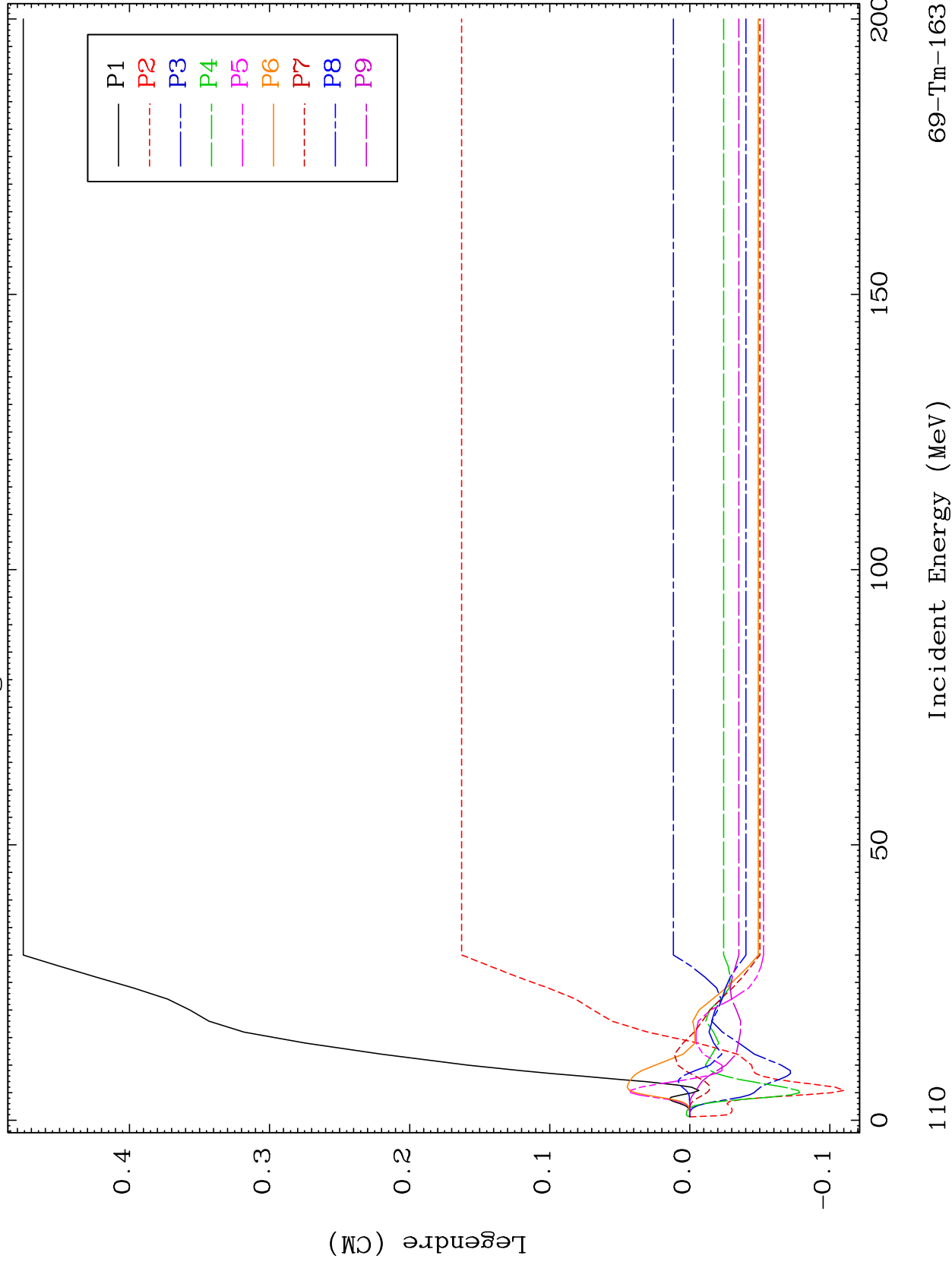




MAT 6907

559.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

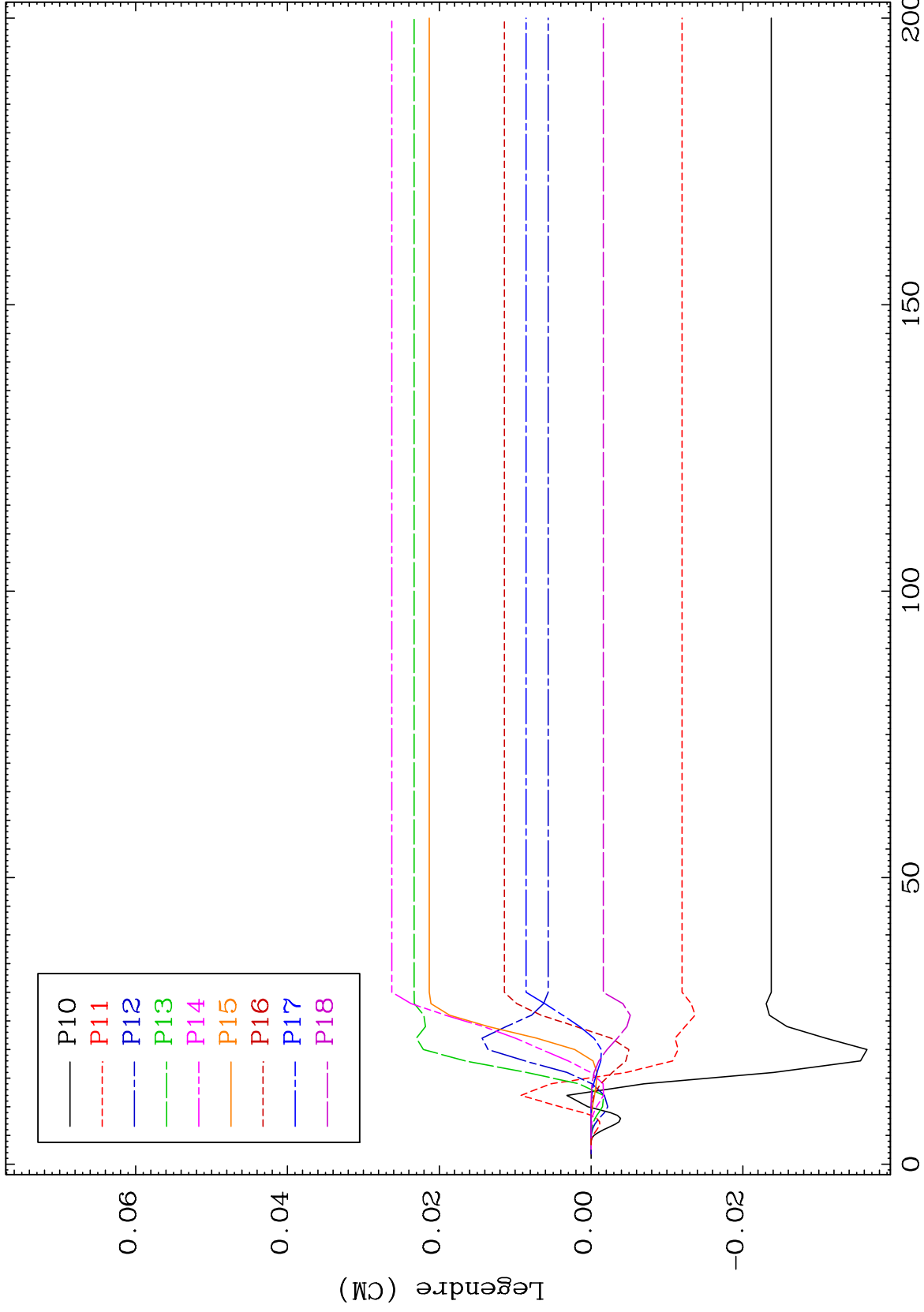
Incident Energy (MeV)

110

MAT 6907

559.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163



111

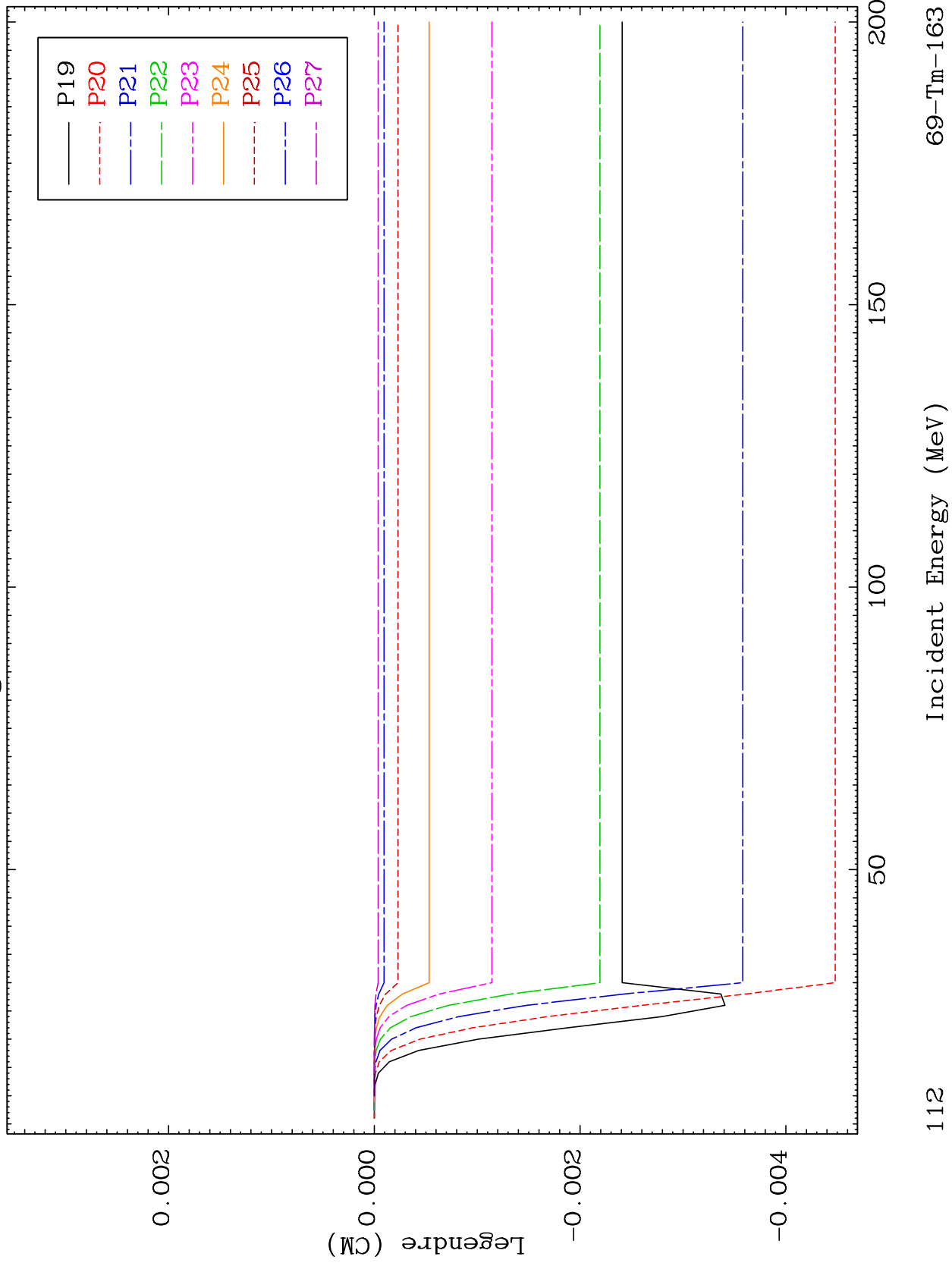
Incident Energy (MeV)

69-Tm-163

MAT 6907

559.6 keV (n,n') Level
Legendre Coefficients

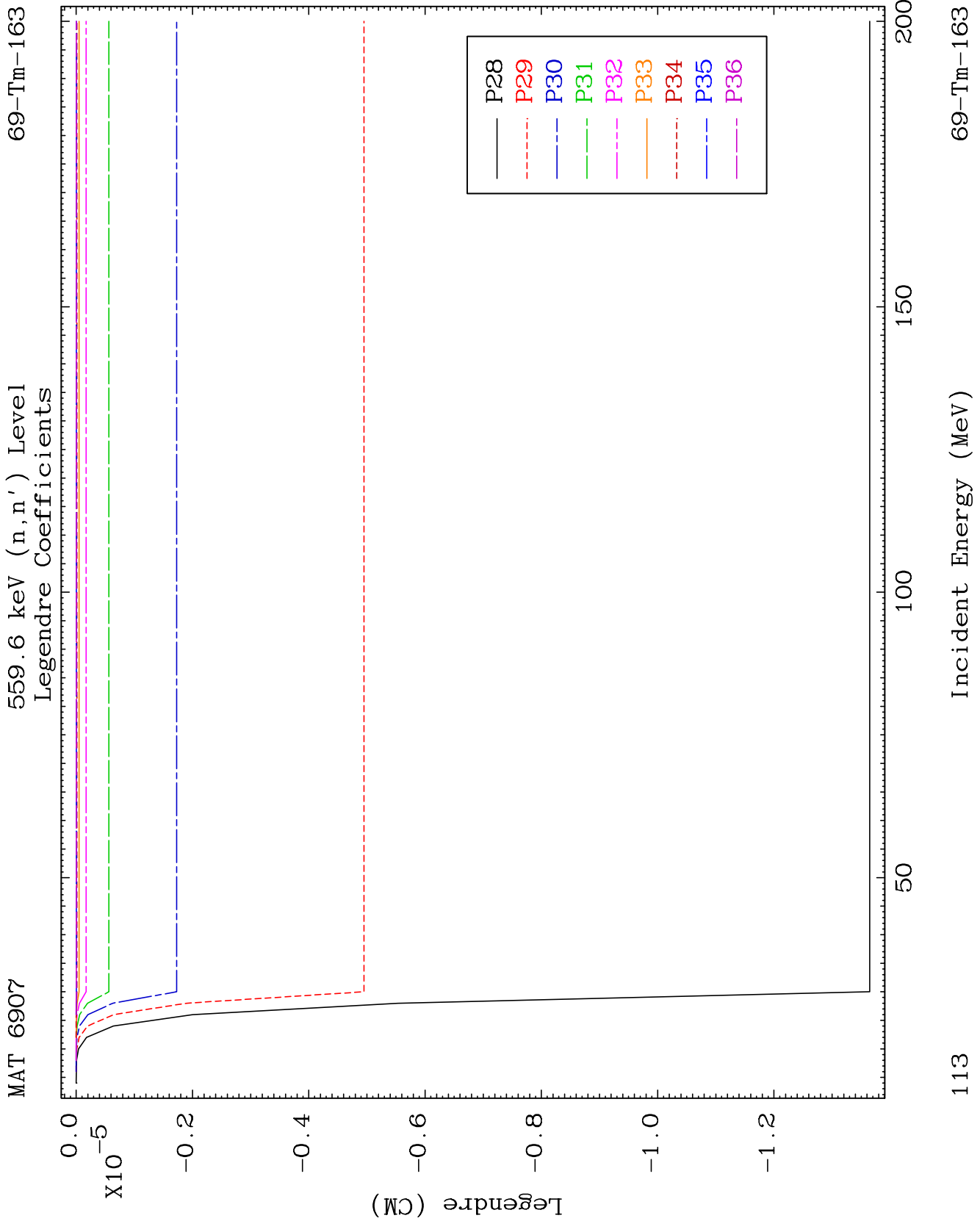
69-Tm-163



112

Incident Energy (MeV)

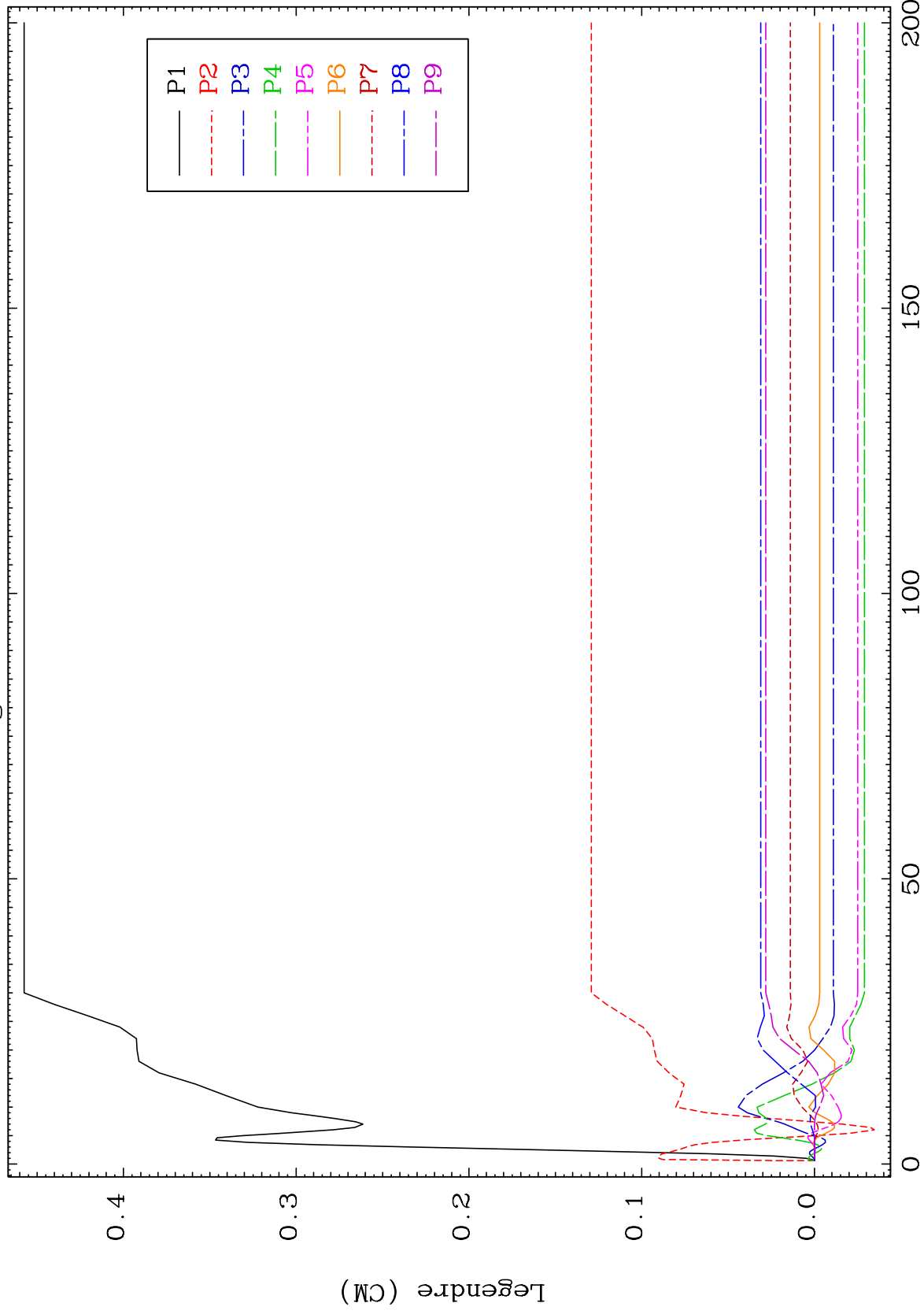
69-Tm-163



MAT 6907

586.5 keV (n,n') Level
Legendre Coefficients

69-Tm-163



114

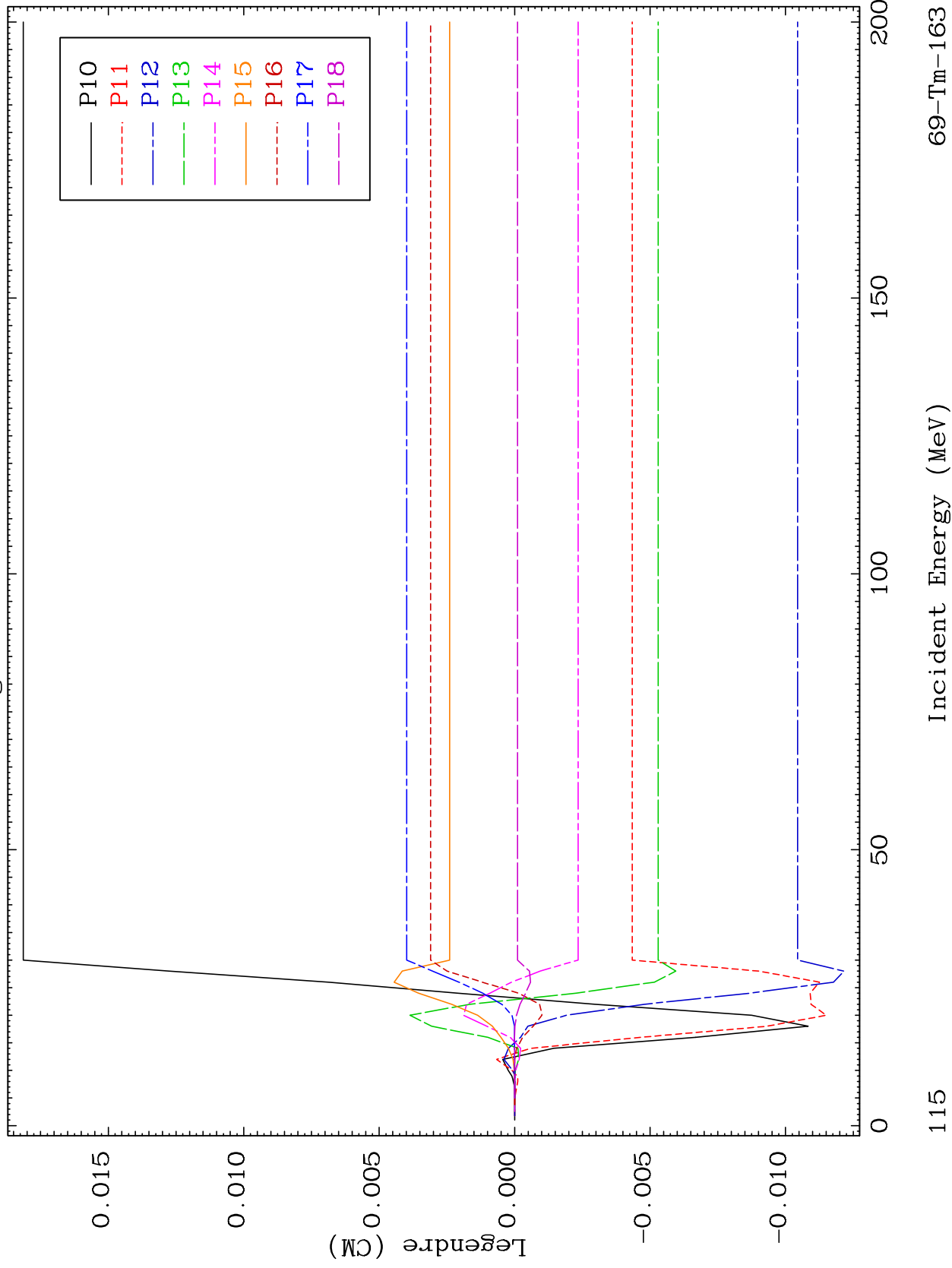
Incident Energy (MeV)

69-Tm-163

MAT 6907

586.5 keV (n,n') Level
Legendre Coefficients

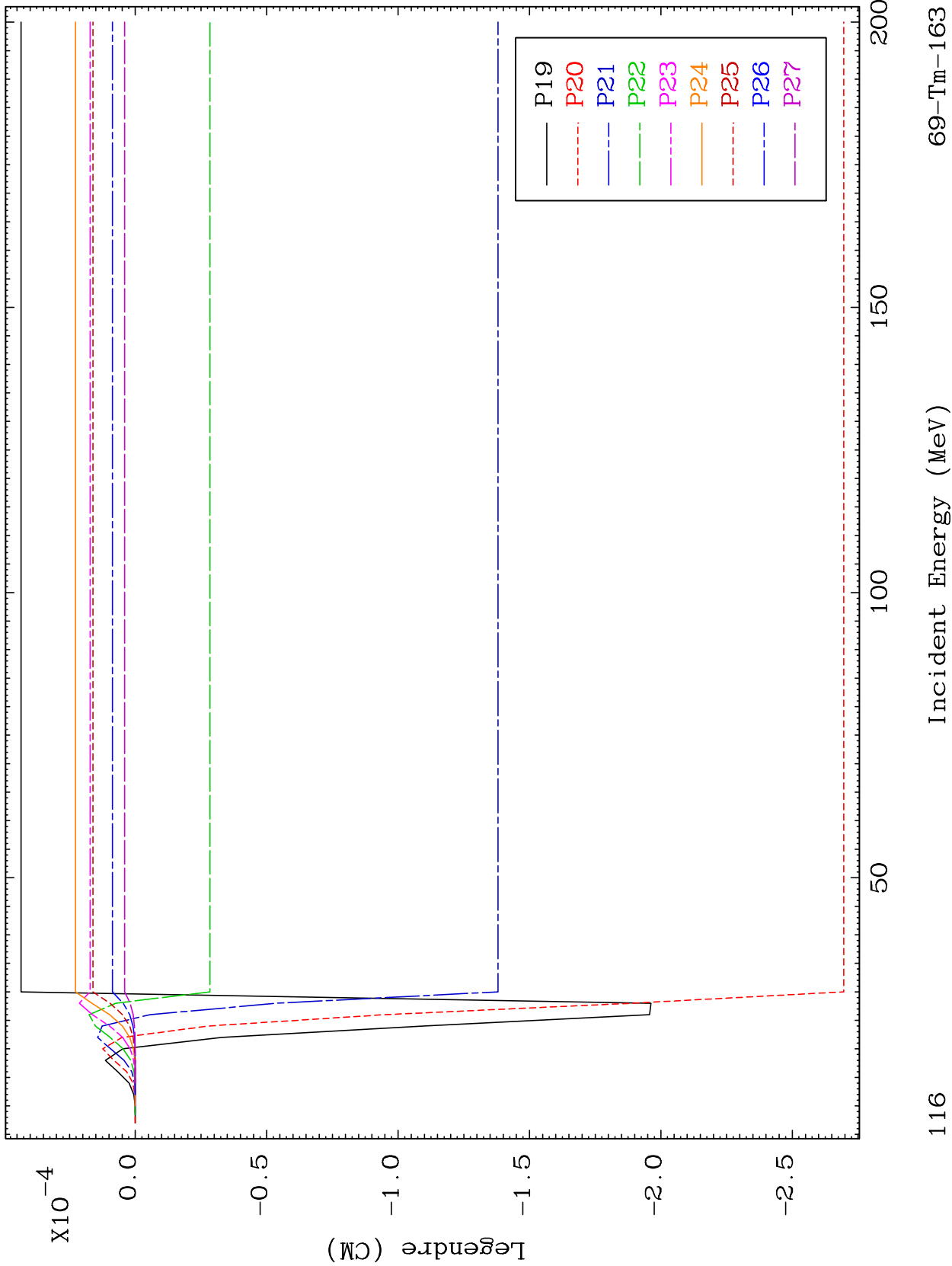
69-Tm-163

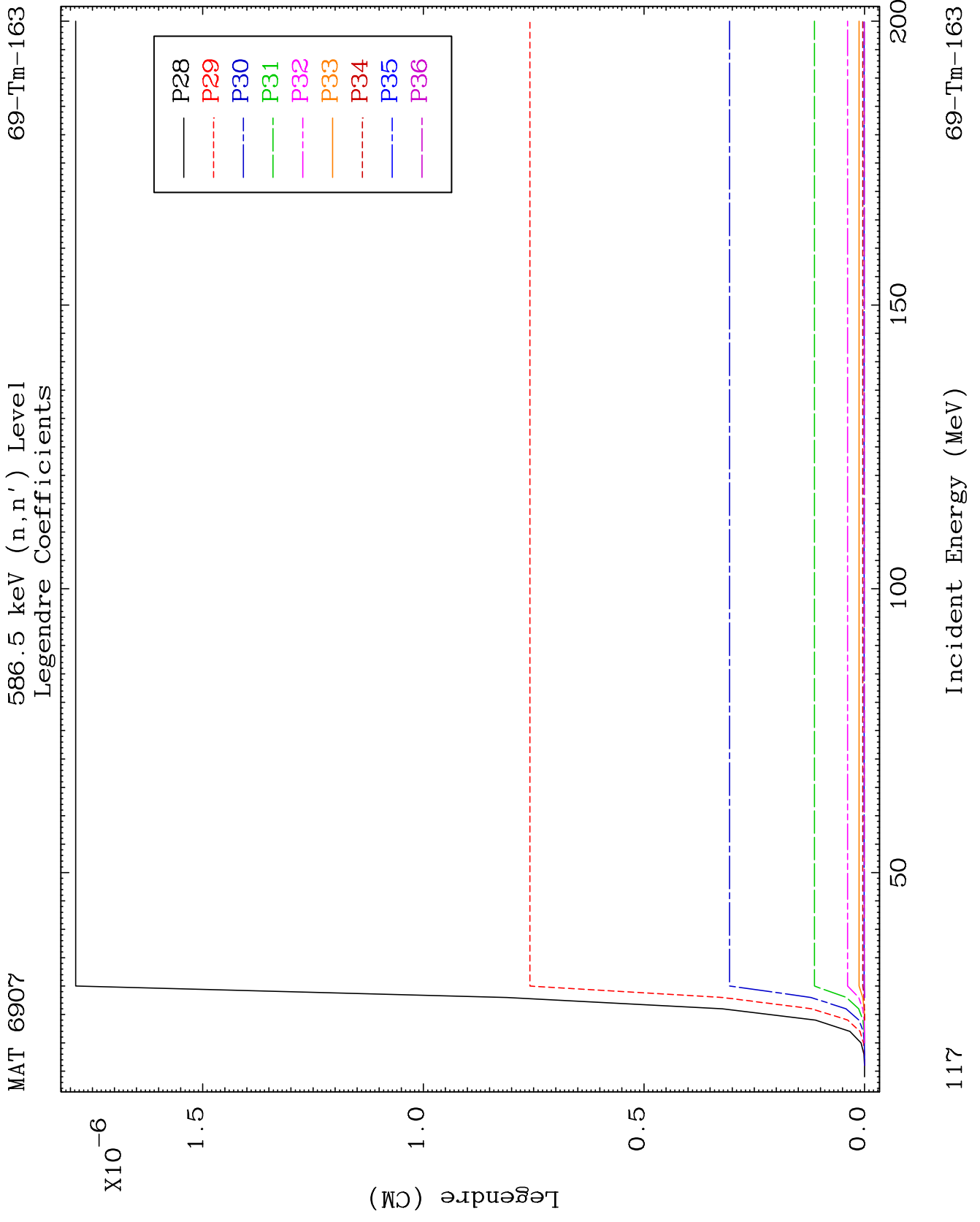


69-Tm-163

Incident Energy (MeV)

115

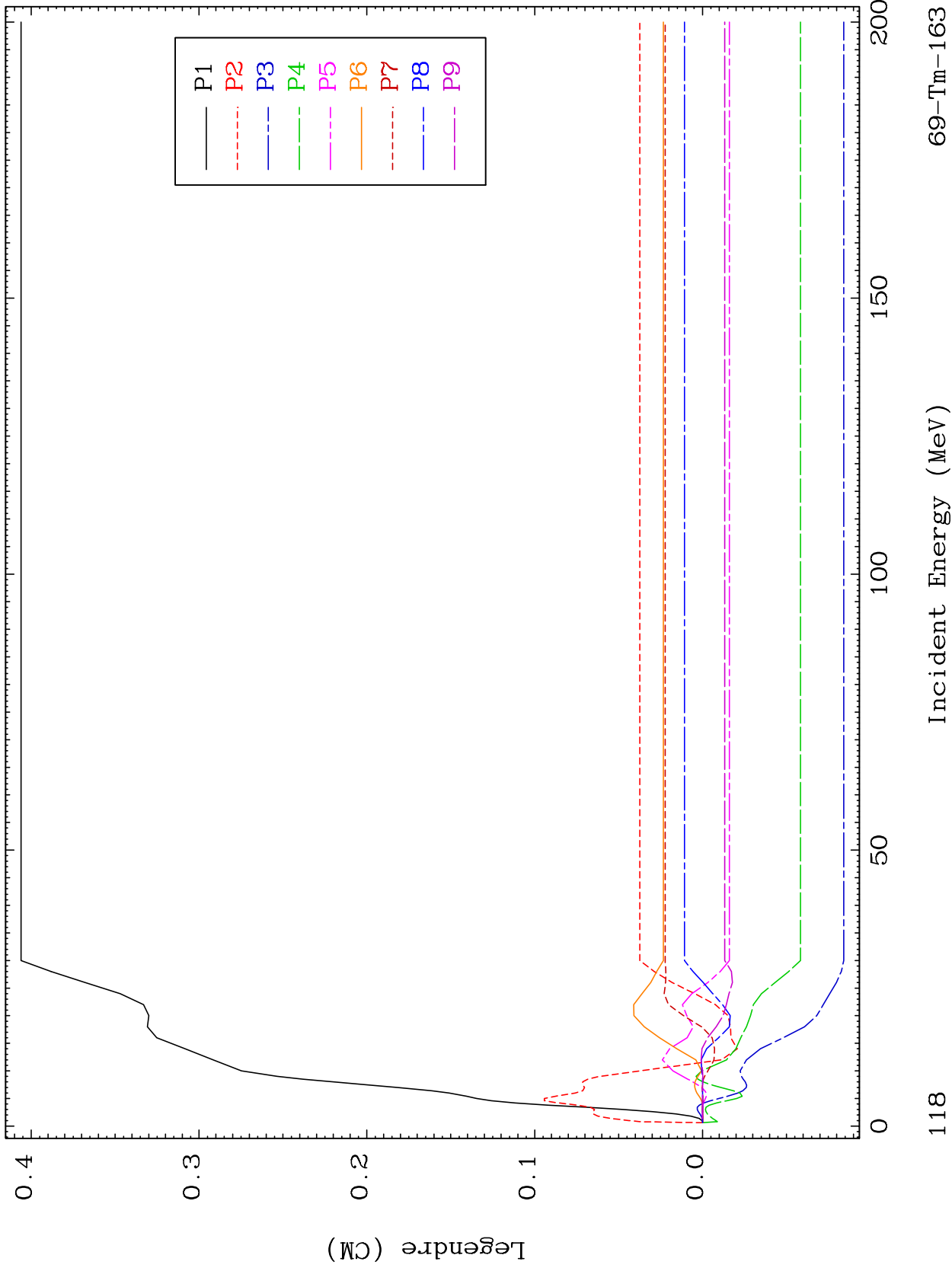




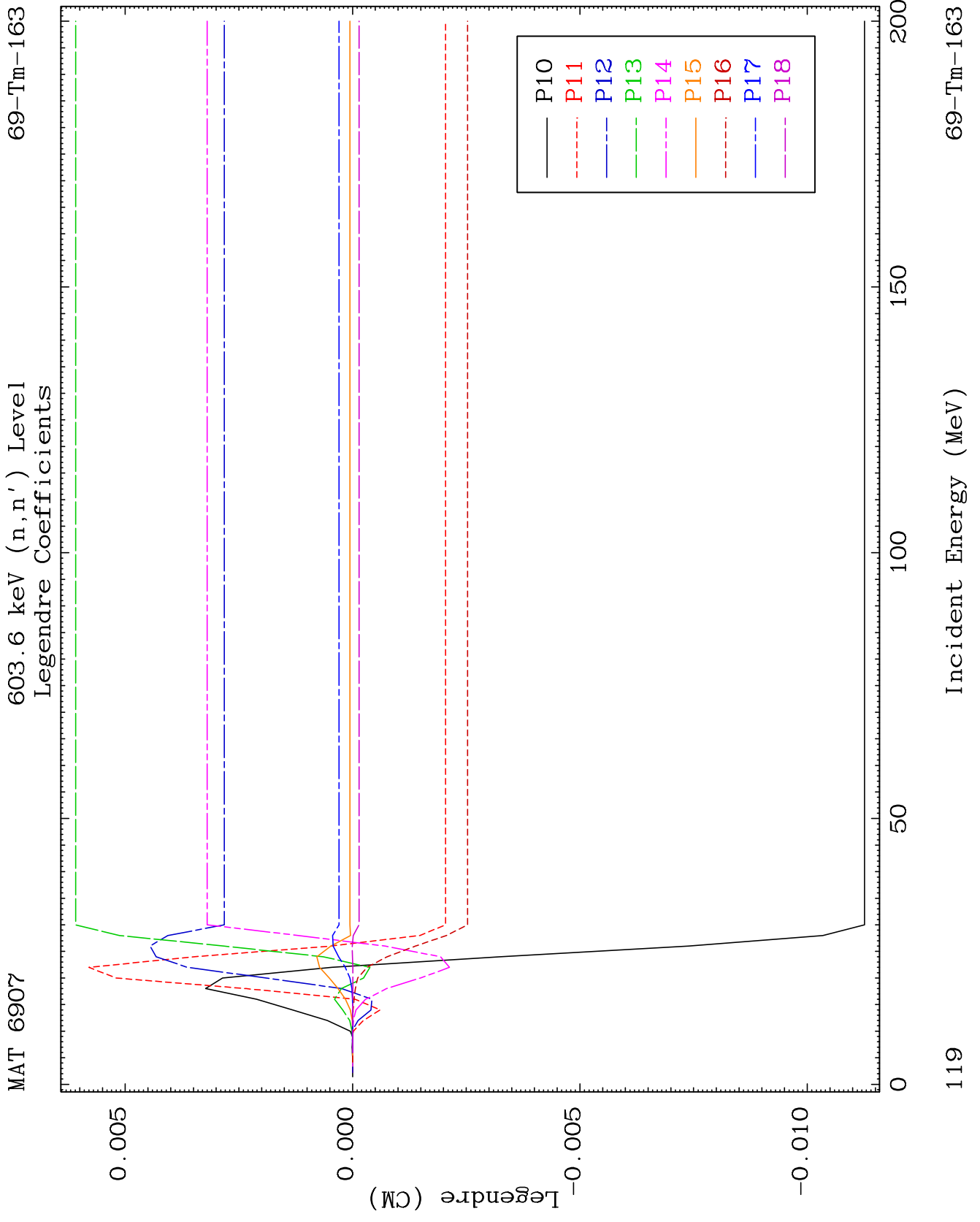
MAT 6907

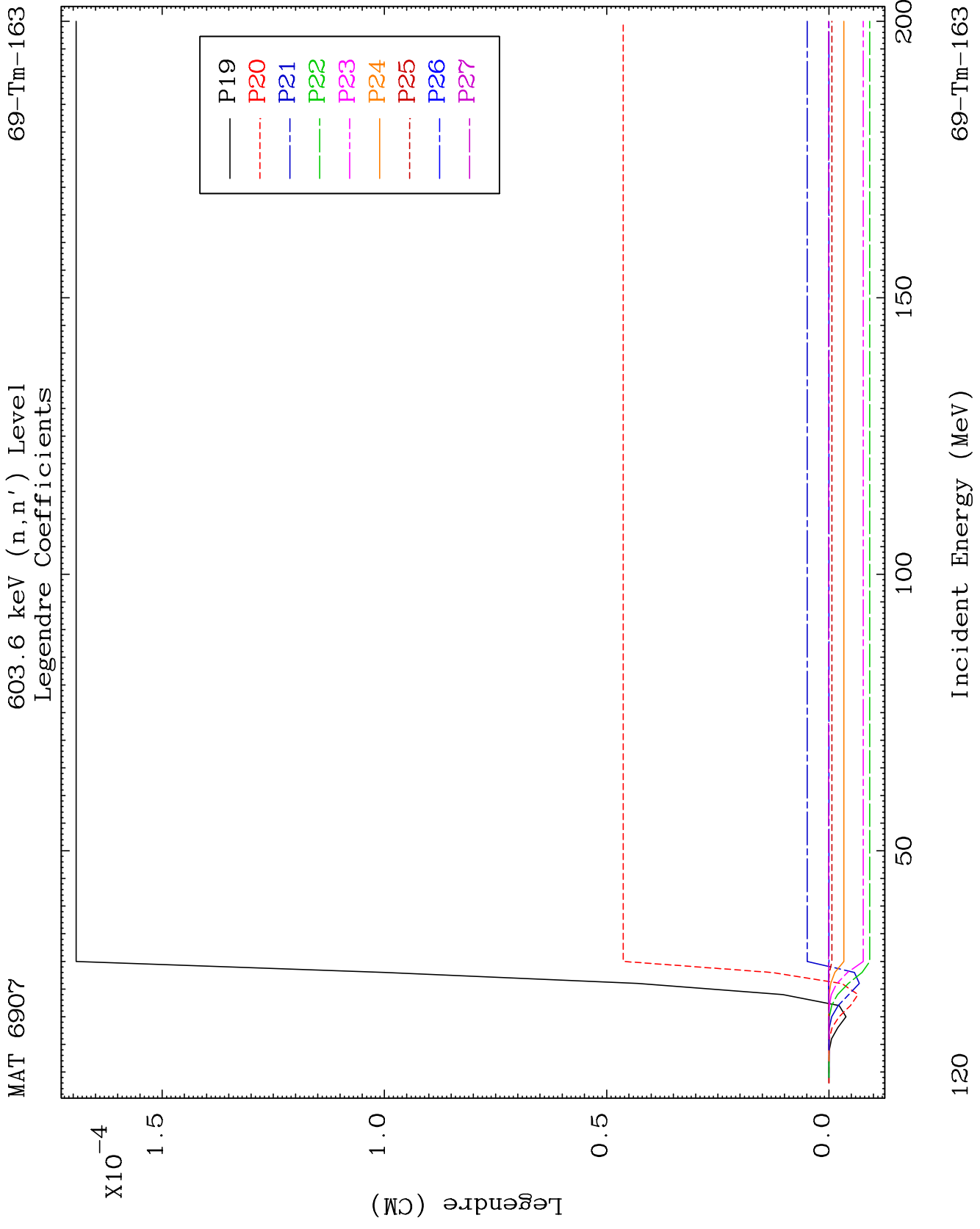
603.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163



118

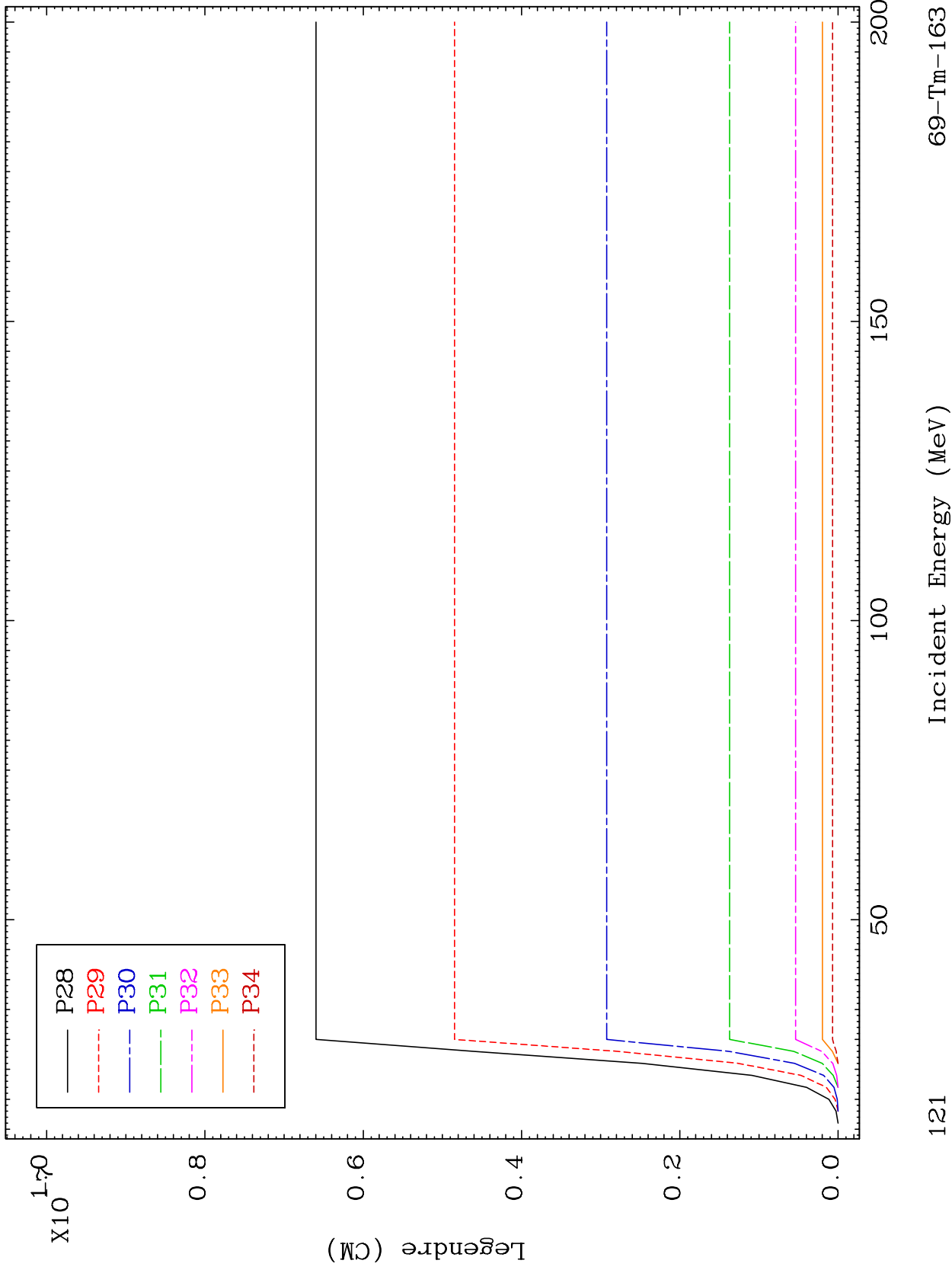




MAT 6907

603.6 keV (n,n') Level
Legendre Coefficients

69-Tm-163

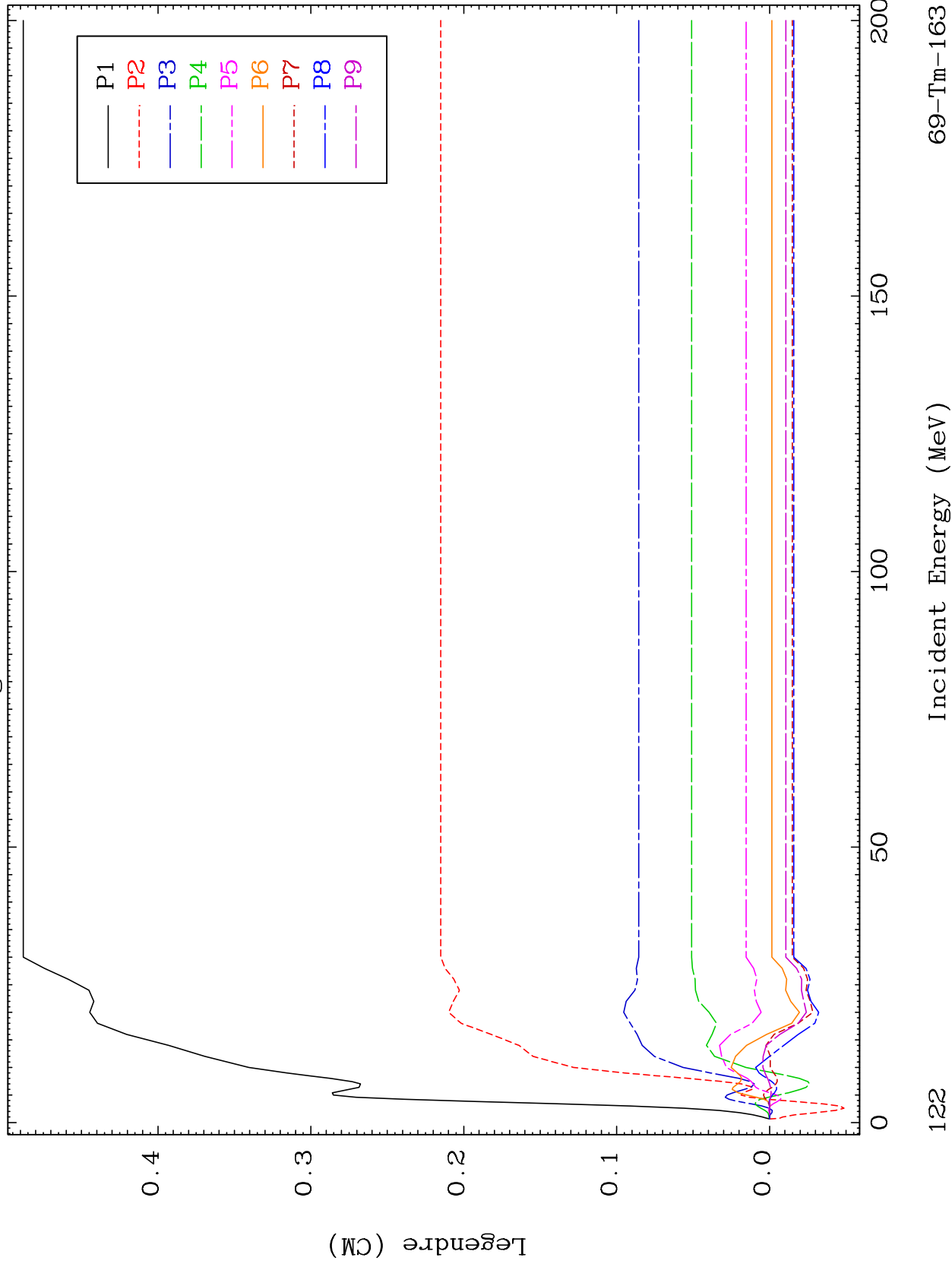


121

MAT 6907

629.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

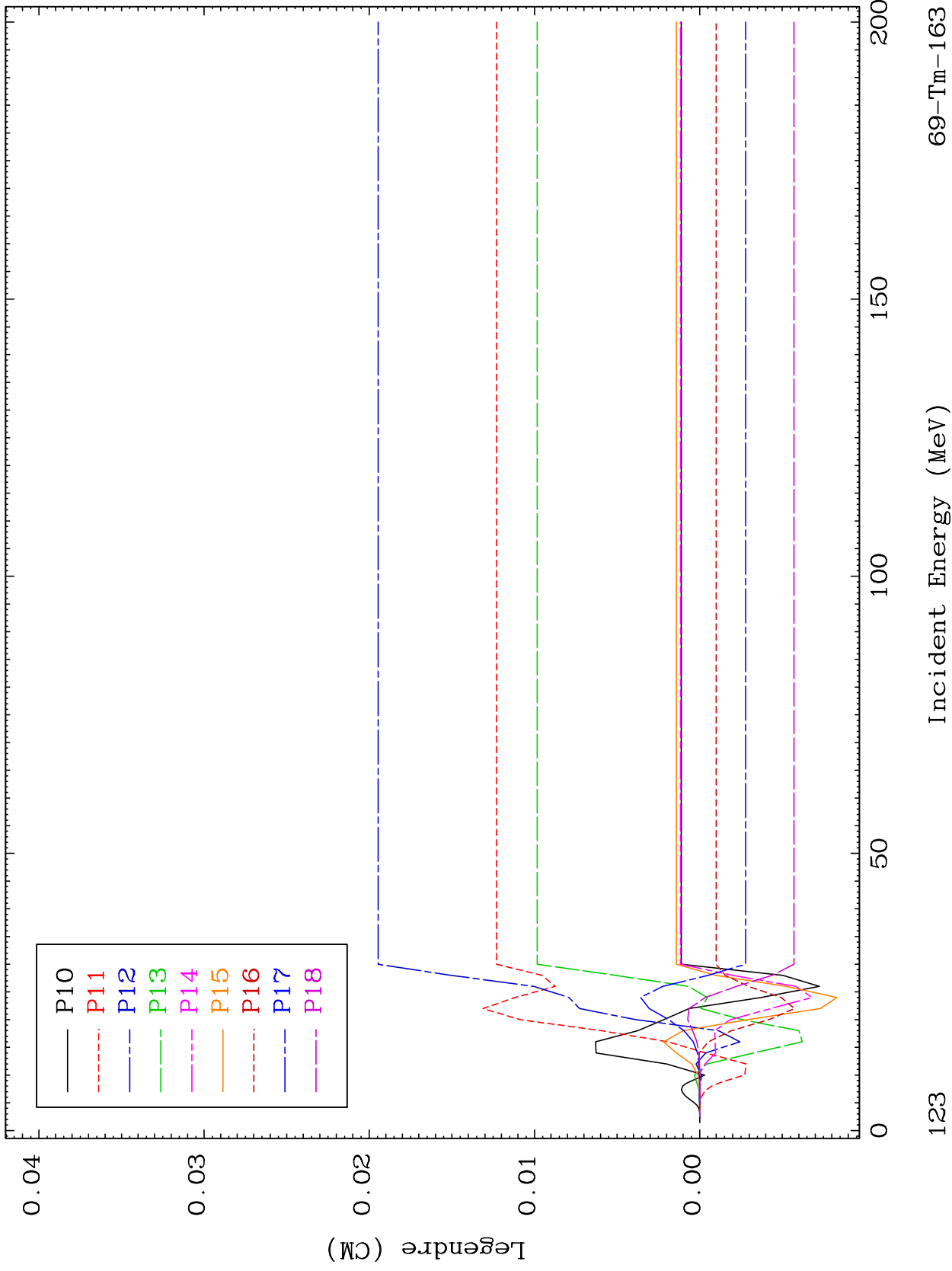
Incident Energy (MeV)

122

MAT 6907

629.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



123

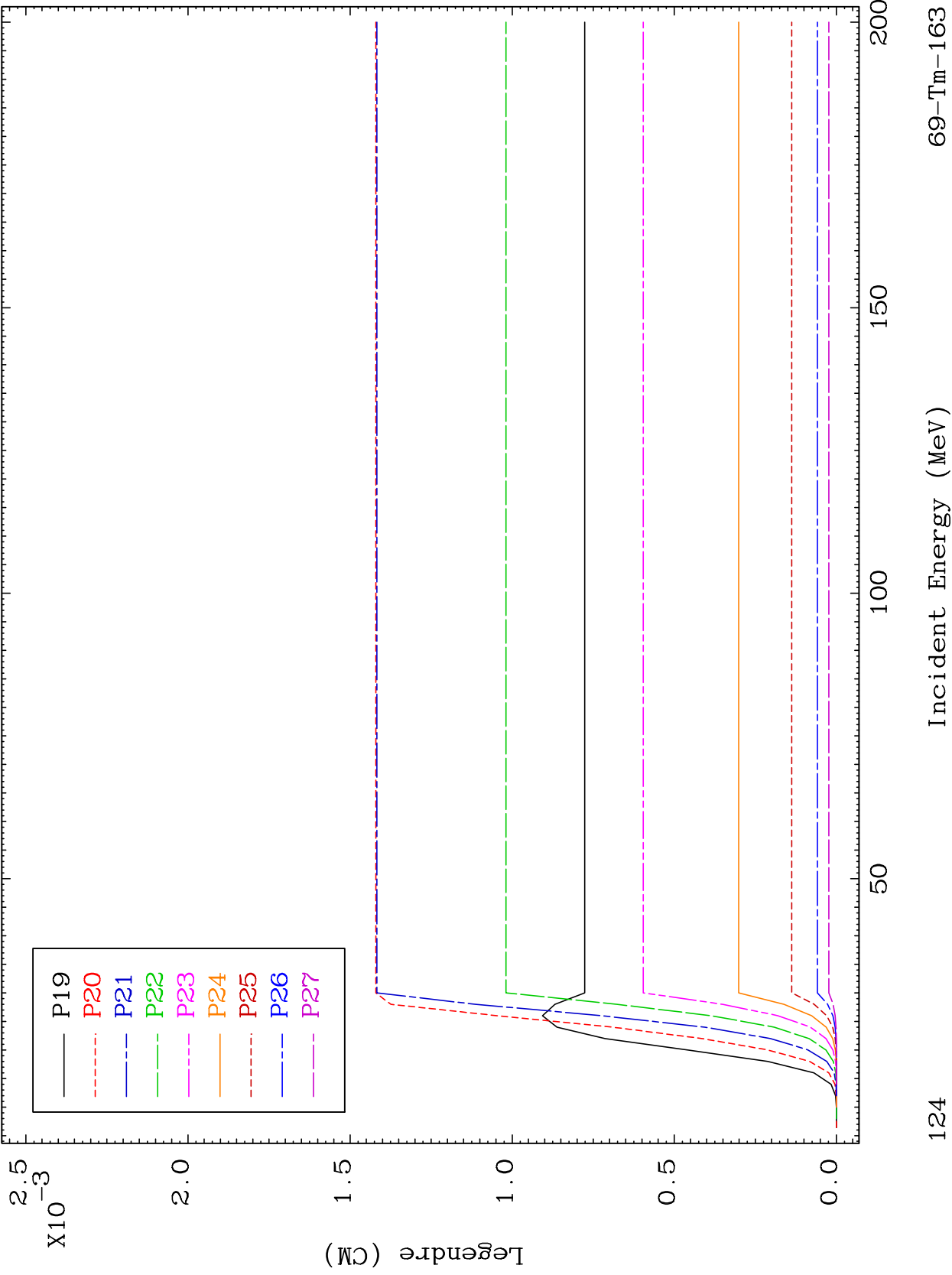
Incident Energy (MeV)

69-Tm-163

MAT 6907

629.1 keV (n,n') Level
Legendre Coefficients

69-Tm-163



124

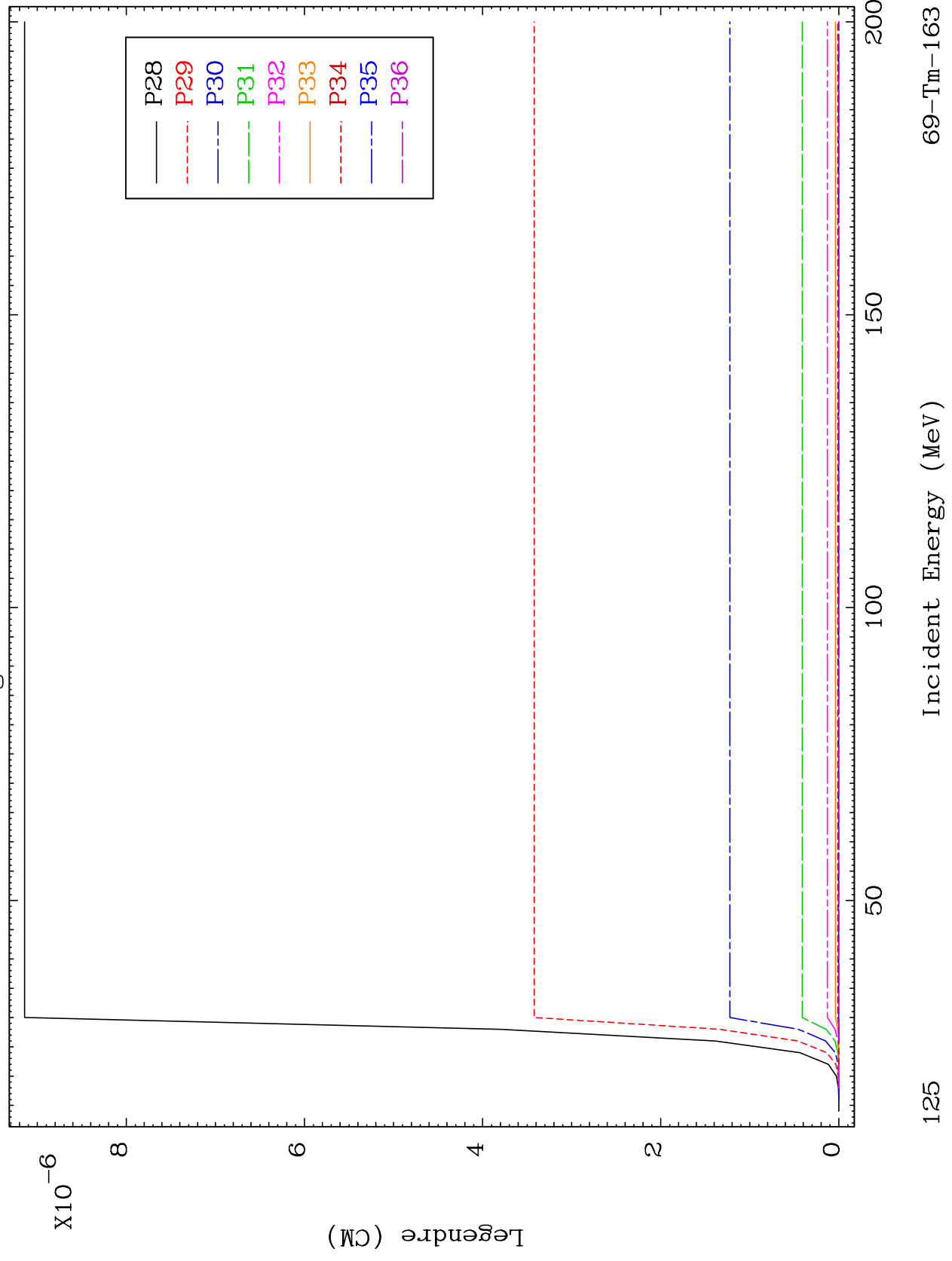
Incident Energy (MeV)

69-Tm-163

MAT 6907

629.1 keV (n,n') Level
Legendre Coefficients

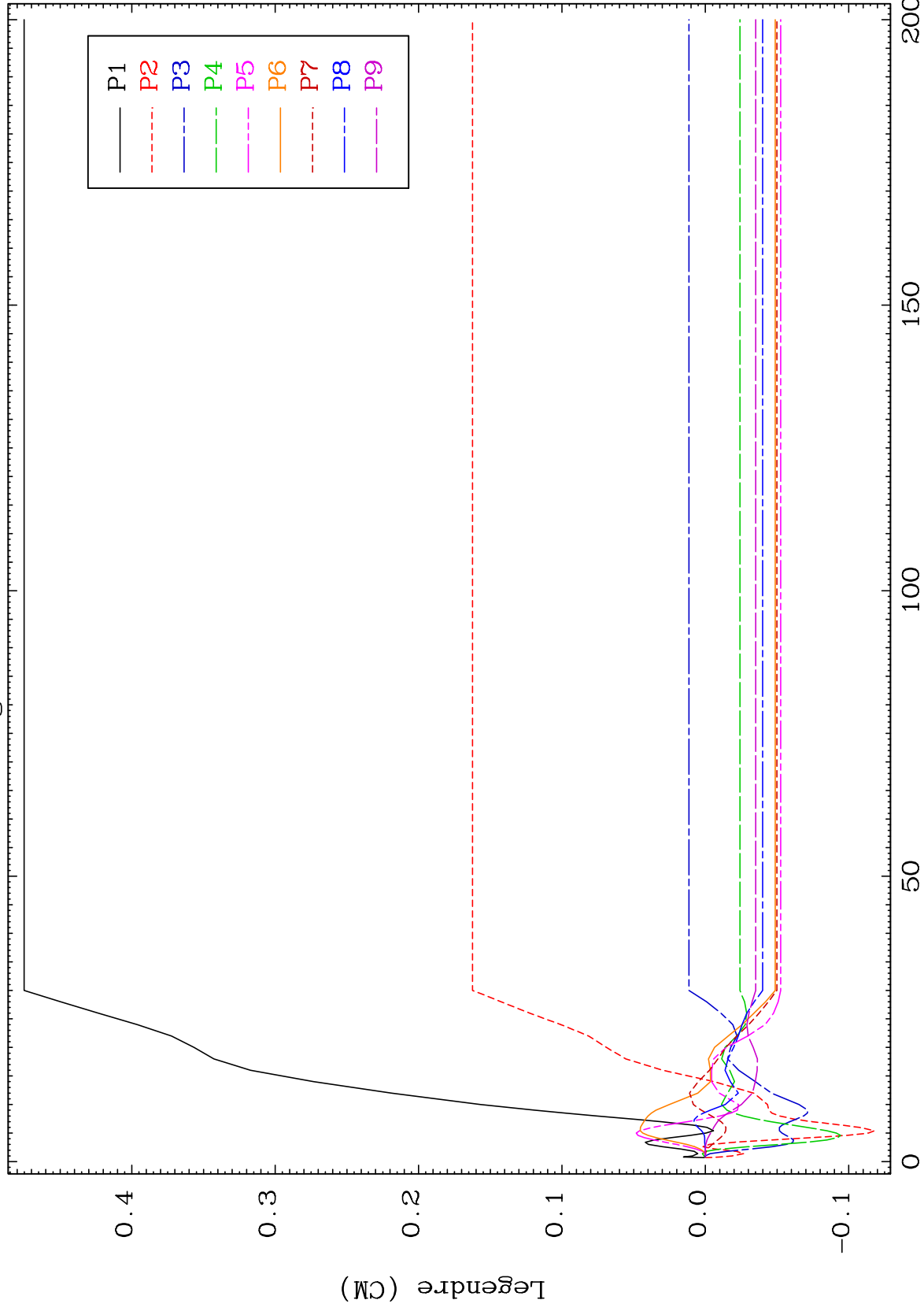
69-Tm-163



MAT 6907

683.7 keV (n,n') Level
Legendre Coefficients

69-Tm-163



69-Tm-163

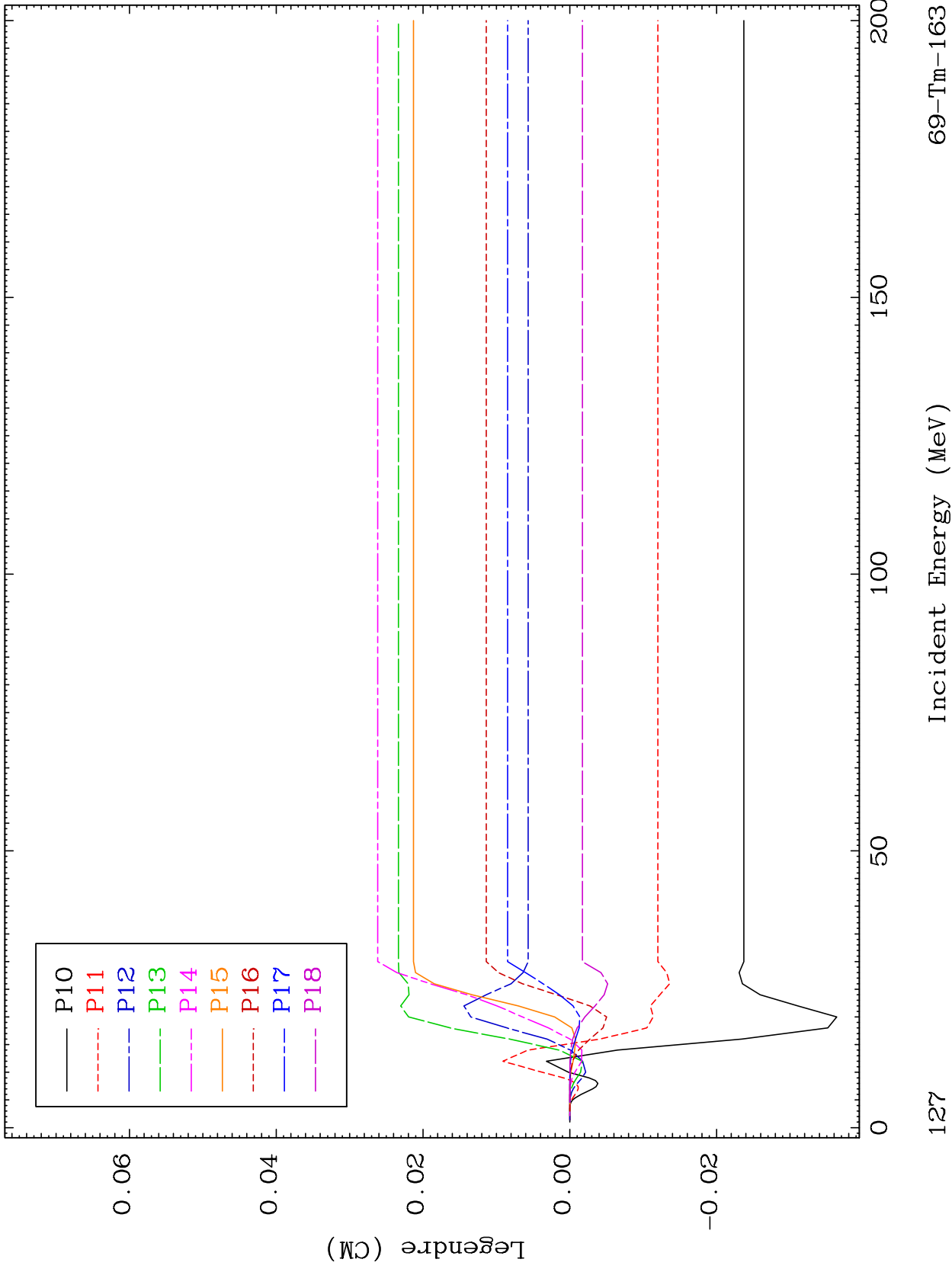
Incident Energy (MeV)

126

MAT 6907

683.7 keV (n,n') Level
Legendre Coefficients

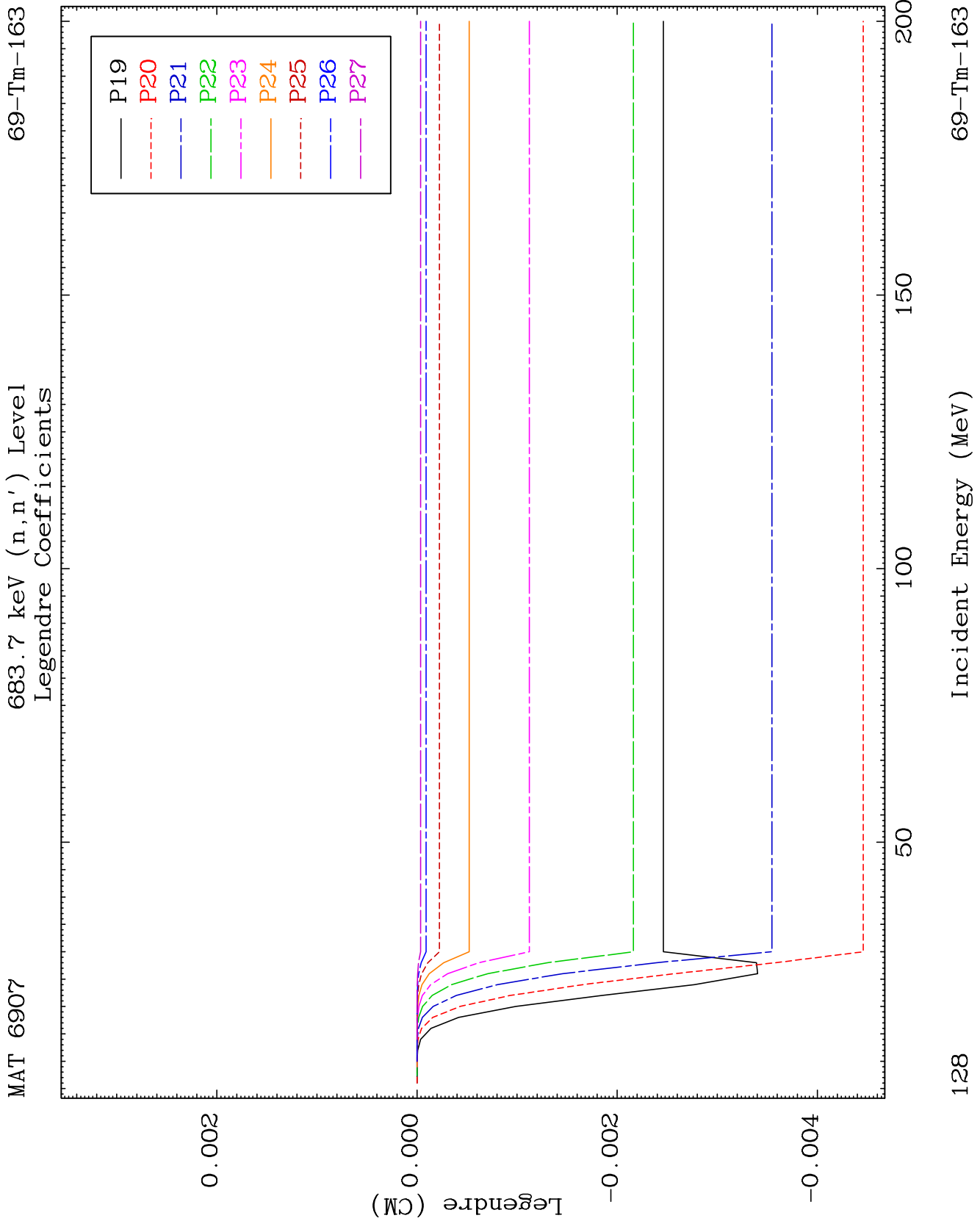
69-Tm-163

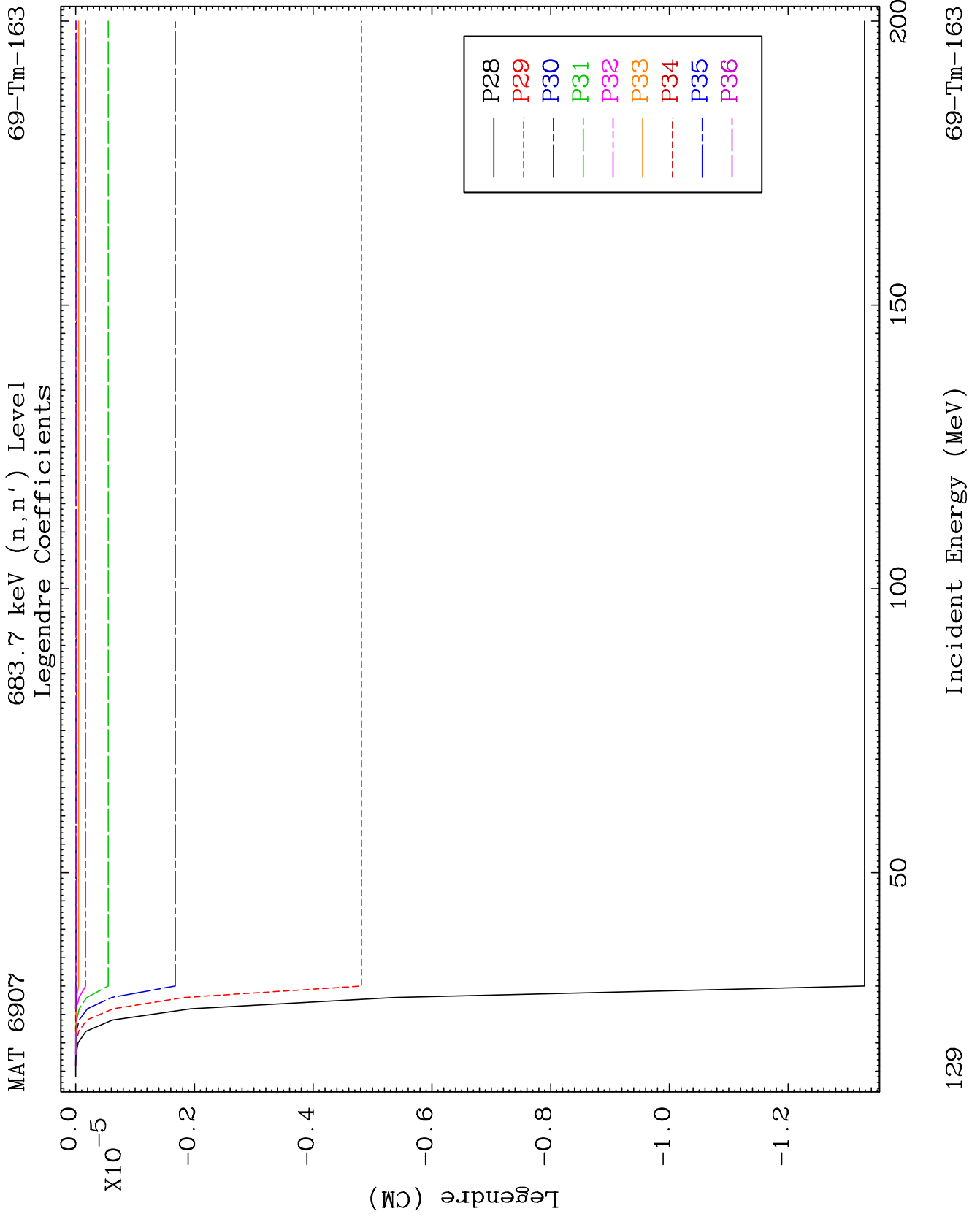


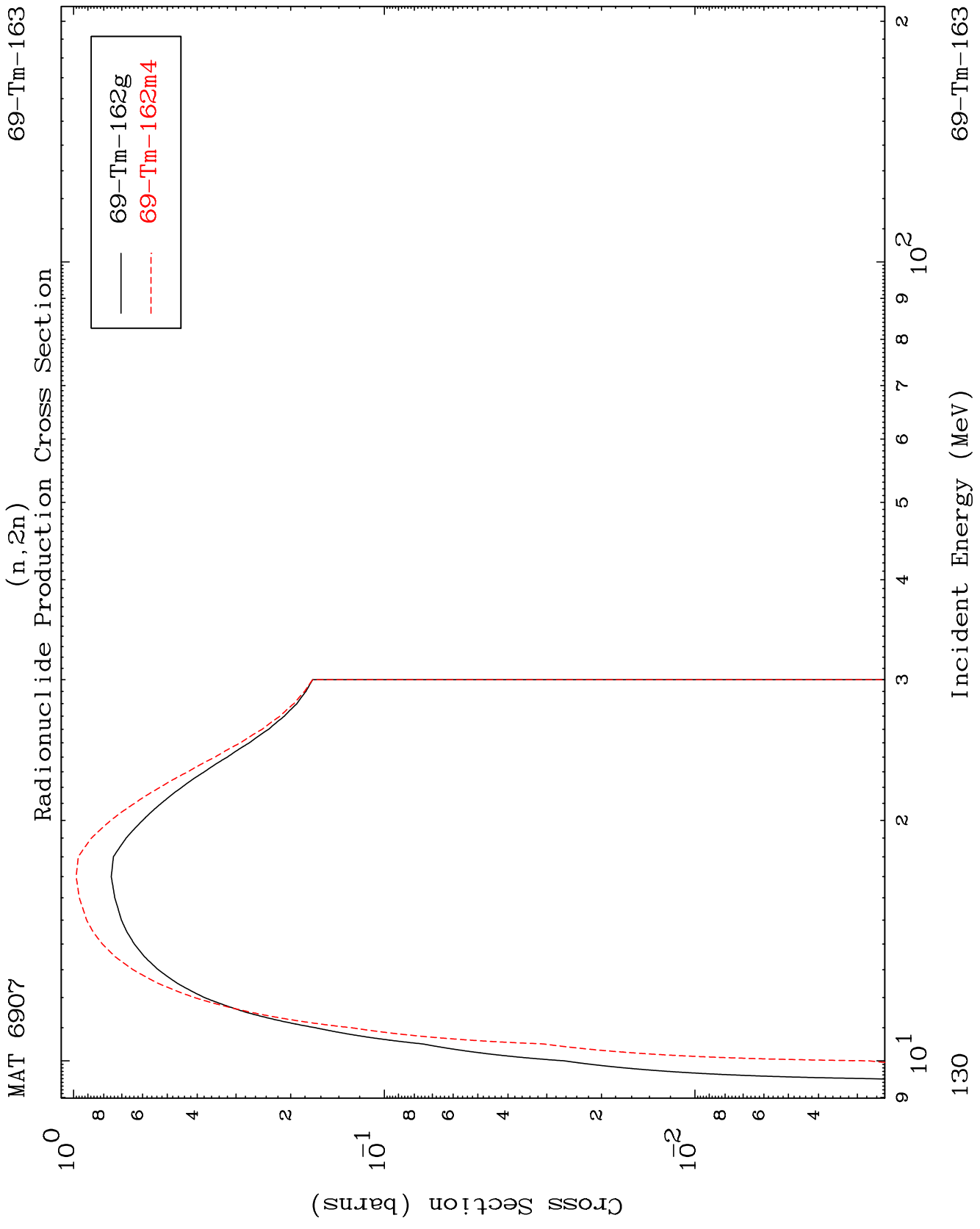
127

Incident Energy (MeV)

69-Tm-163





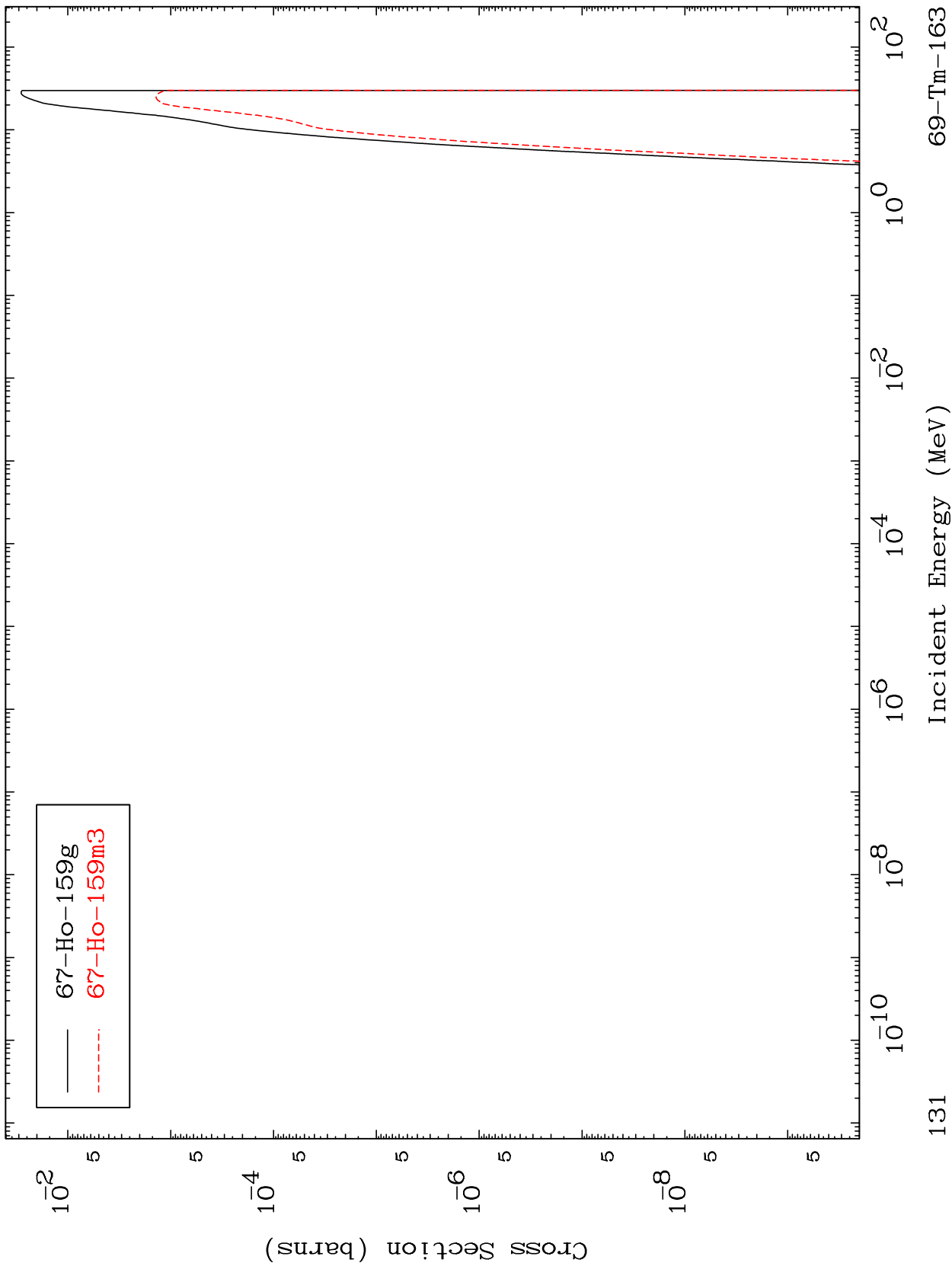


MAT 6907

$(n, n') \alpha$

69-Tm-163

Radionuclide Production Cross Section



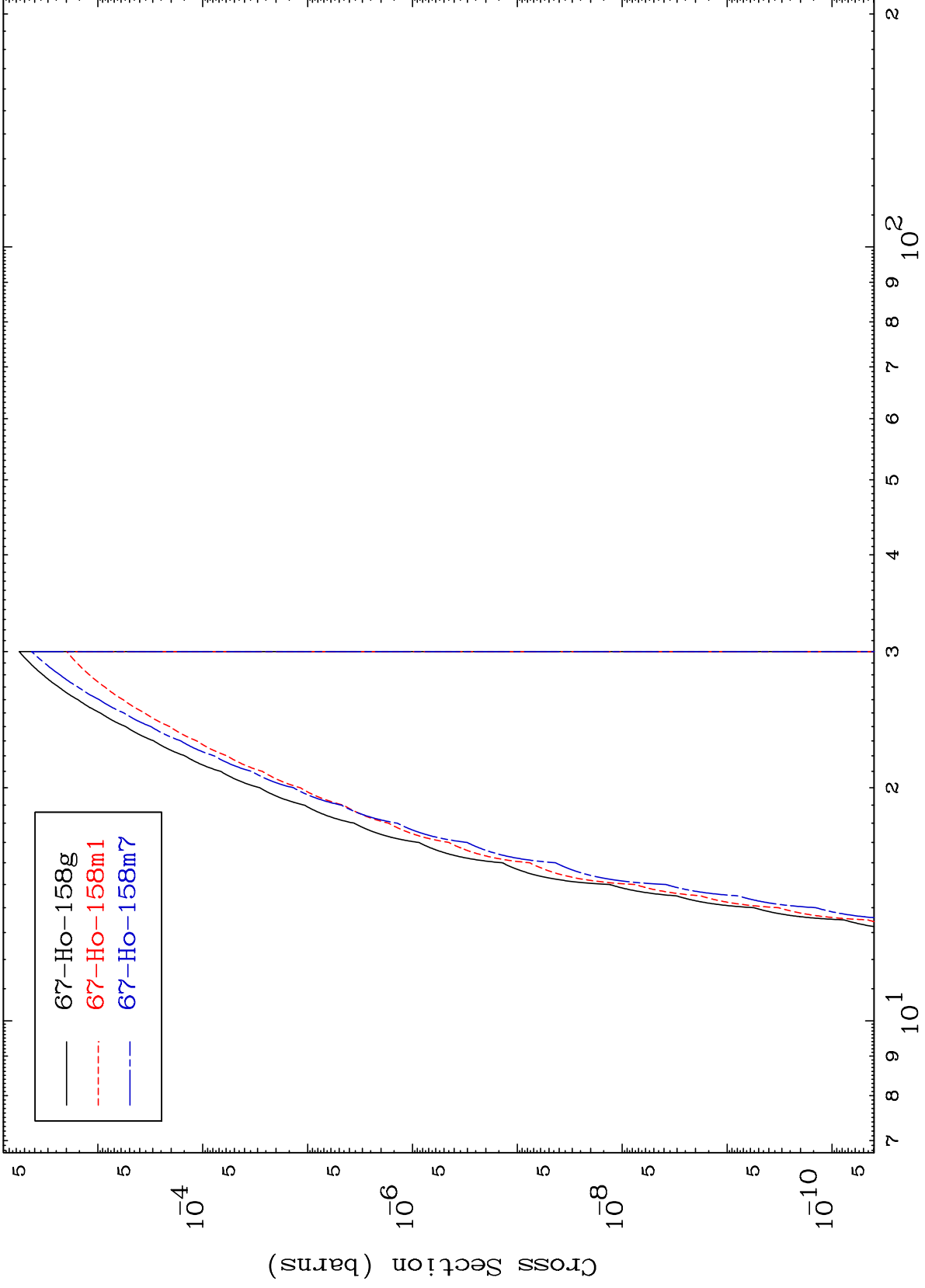
67-Ho-159g
67-Ho-159m3

MAT 6907

$(n,2n) \alpha$

69-Tm-163

Radionuclide Production Cross Section



132

Incident Energy (MeV)

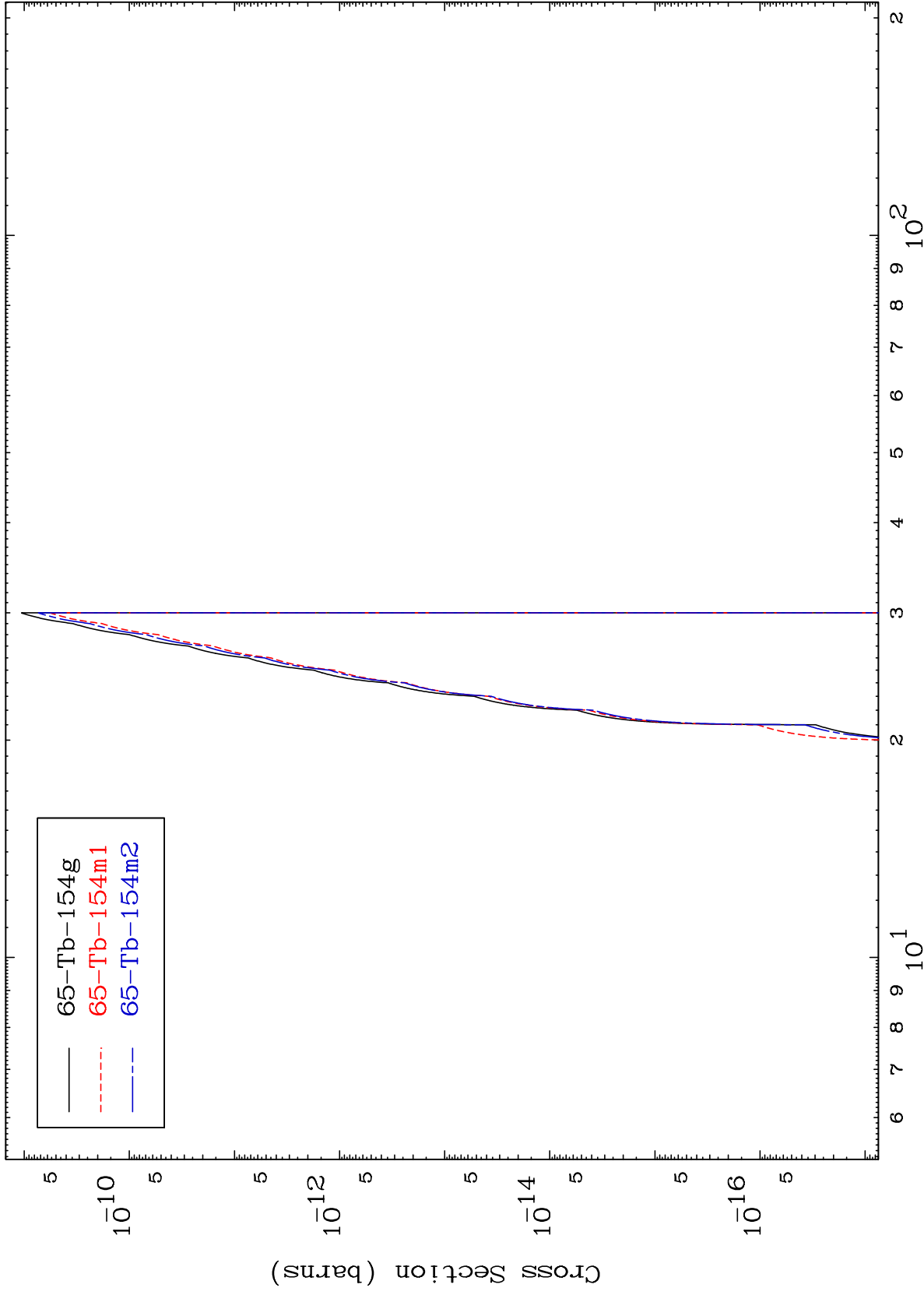
69-Tm-163

MAT 6907

(n,2n) 2α

69-Tm-163

Radionuclide Production Cross Section



133

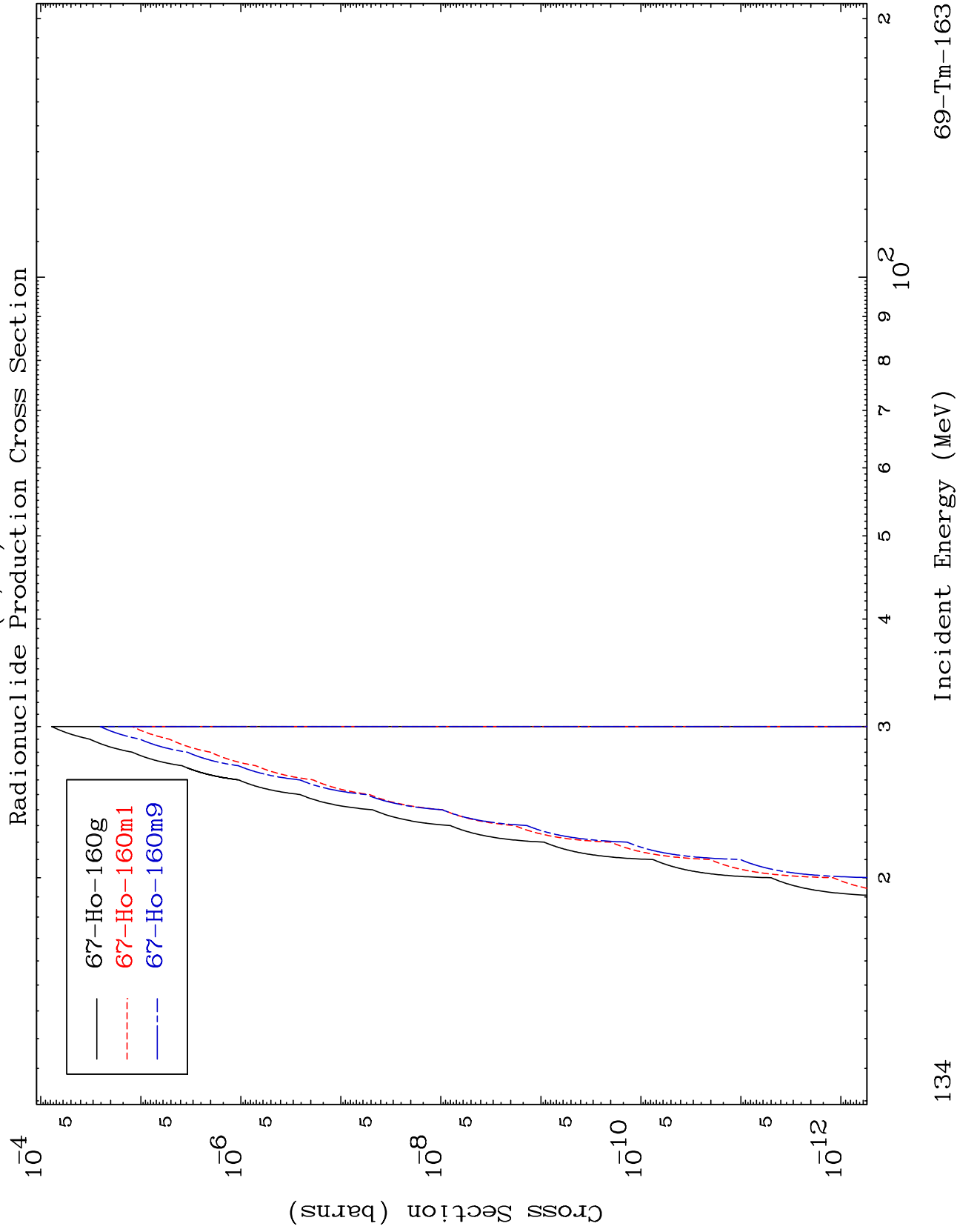
Incident Energy (MeV)

69-Tm-163

MAT 6907

(n,n') He-3

69-Tm-163



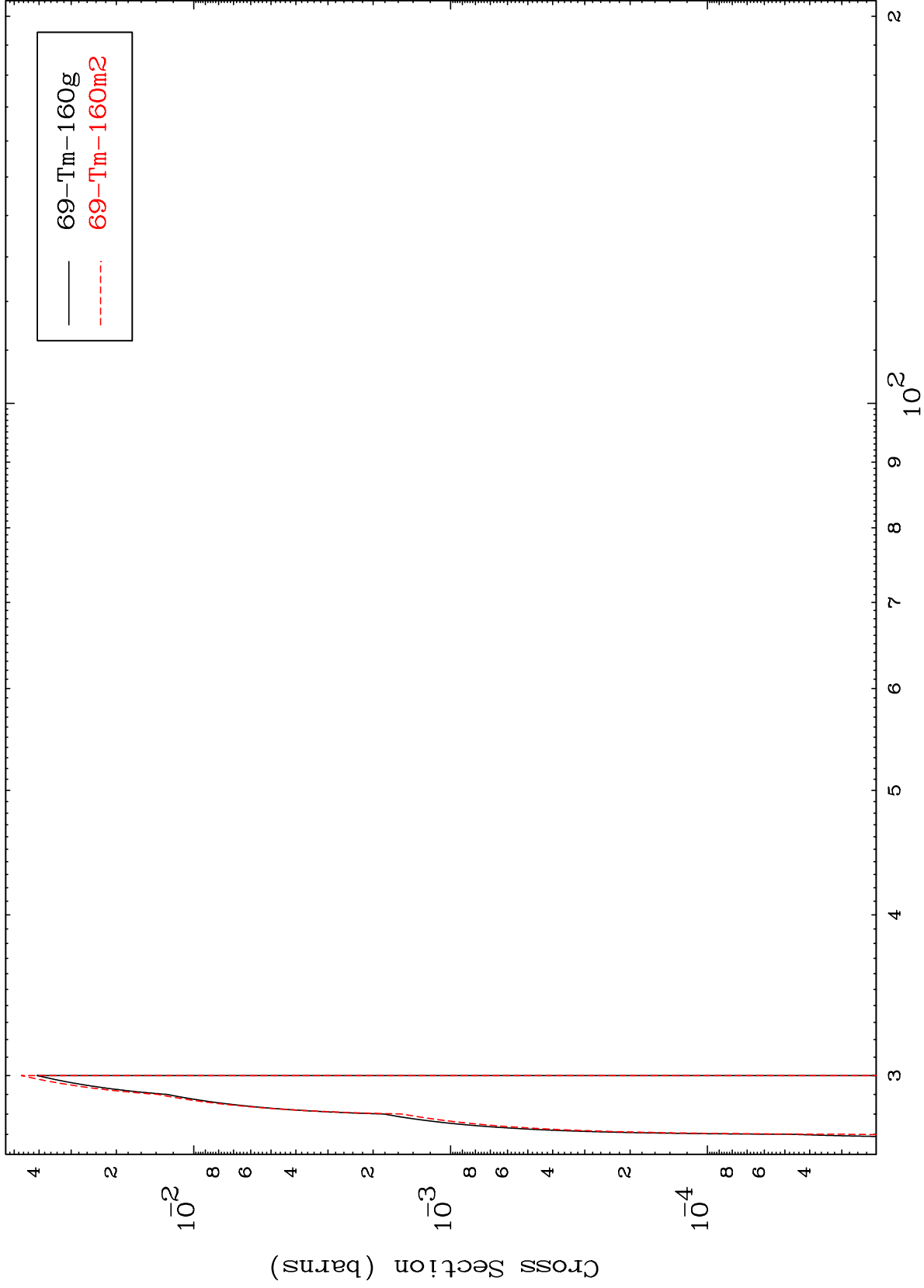
134

MAT 6907

(n,4n)

69-Tm-163

Radionuclide Production Cross Section



135

Incident Energy (MeV)

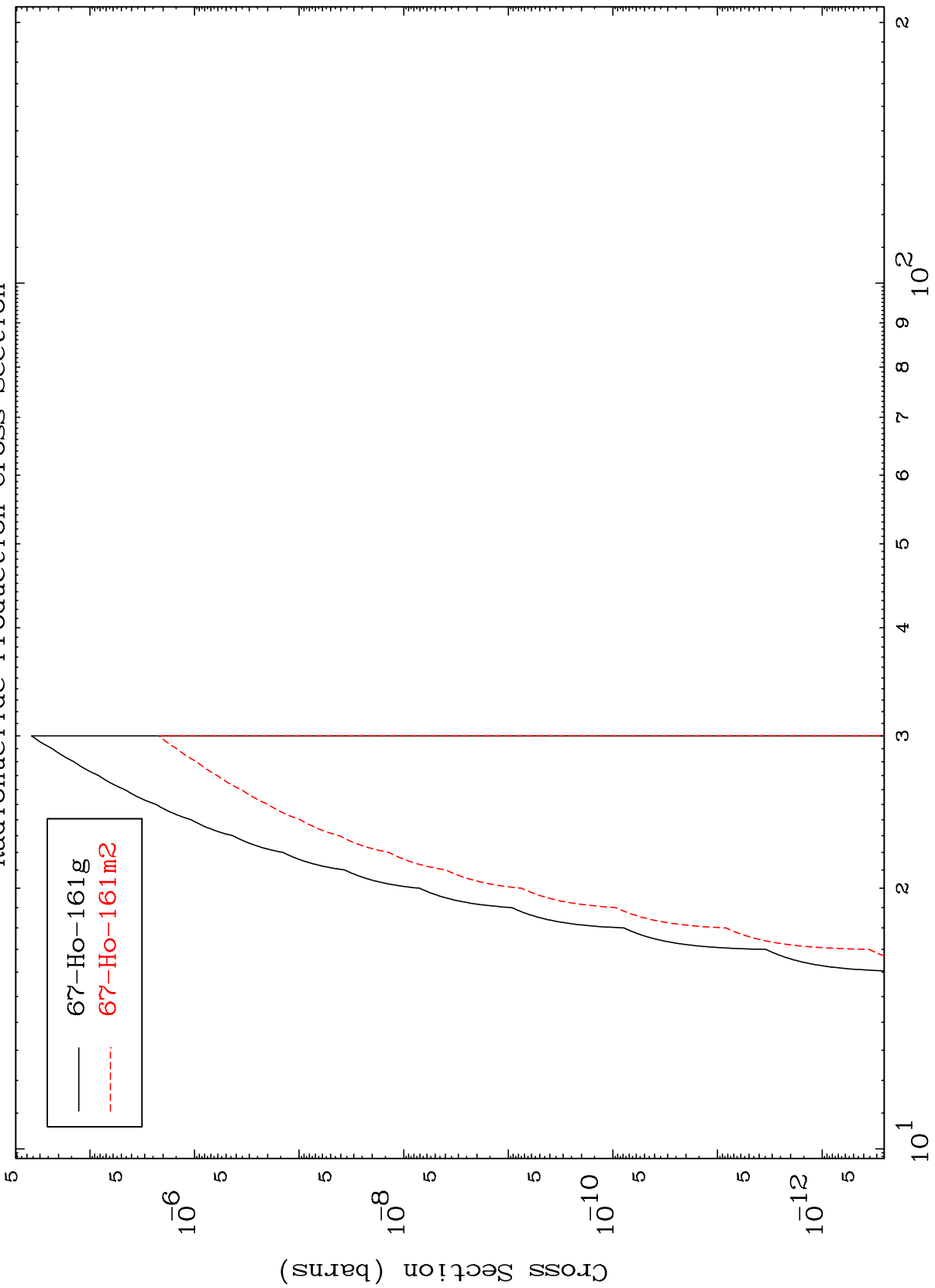
69-Tm-163

MAT 6907

(n,2n) p

69-Tm-163

Radionuclide Production Cross Section



Incident Energy (MeV)

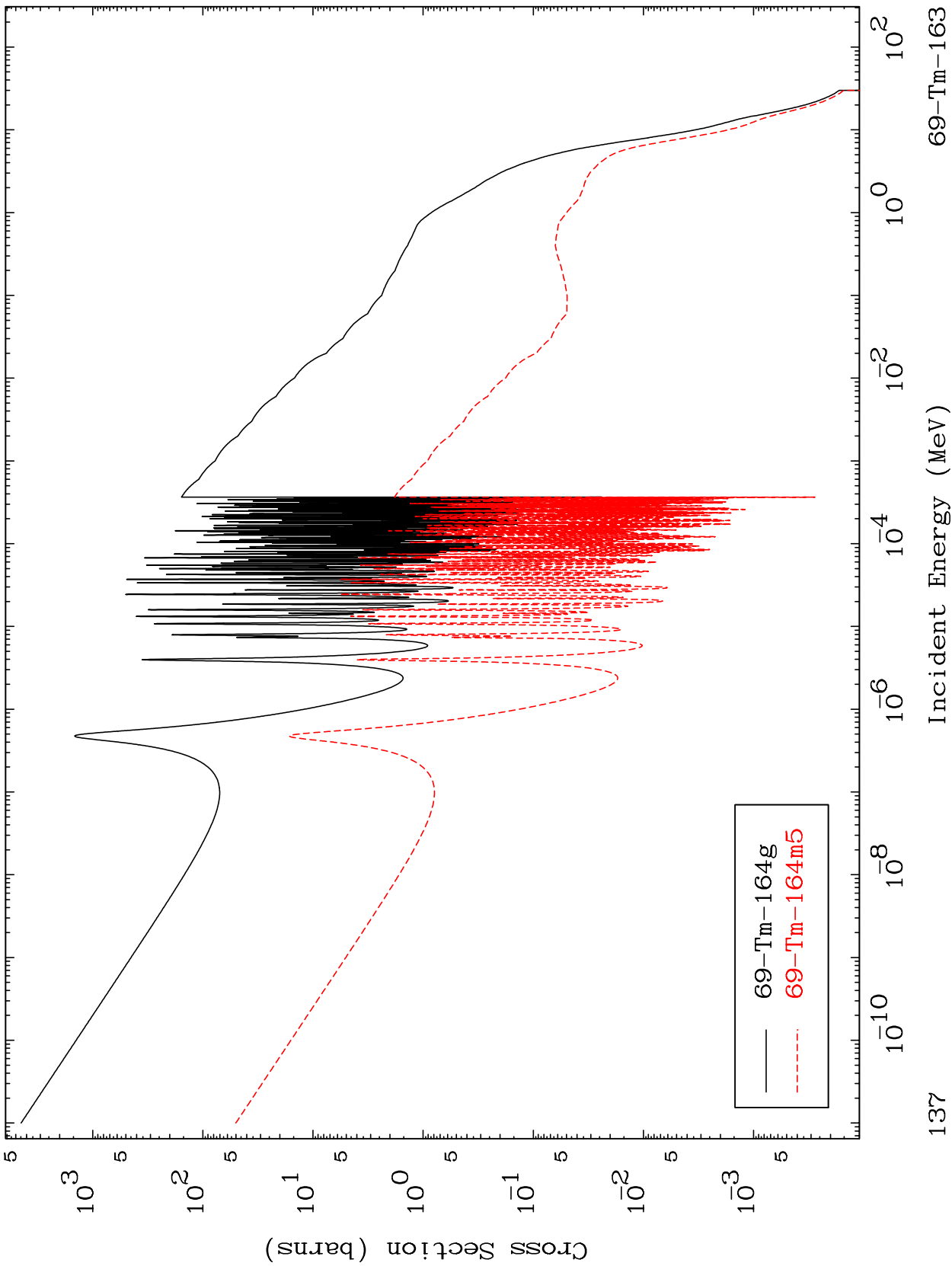
69-Tm-163

136

MAT 6907

69-Tm-163

(n, γ)
Radionuclide Production Cross Section



137

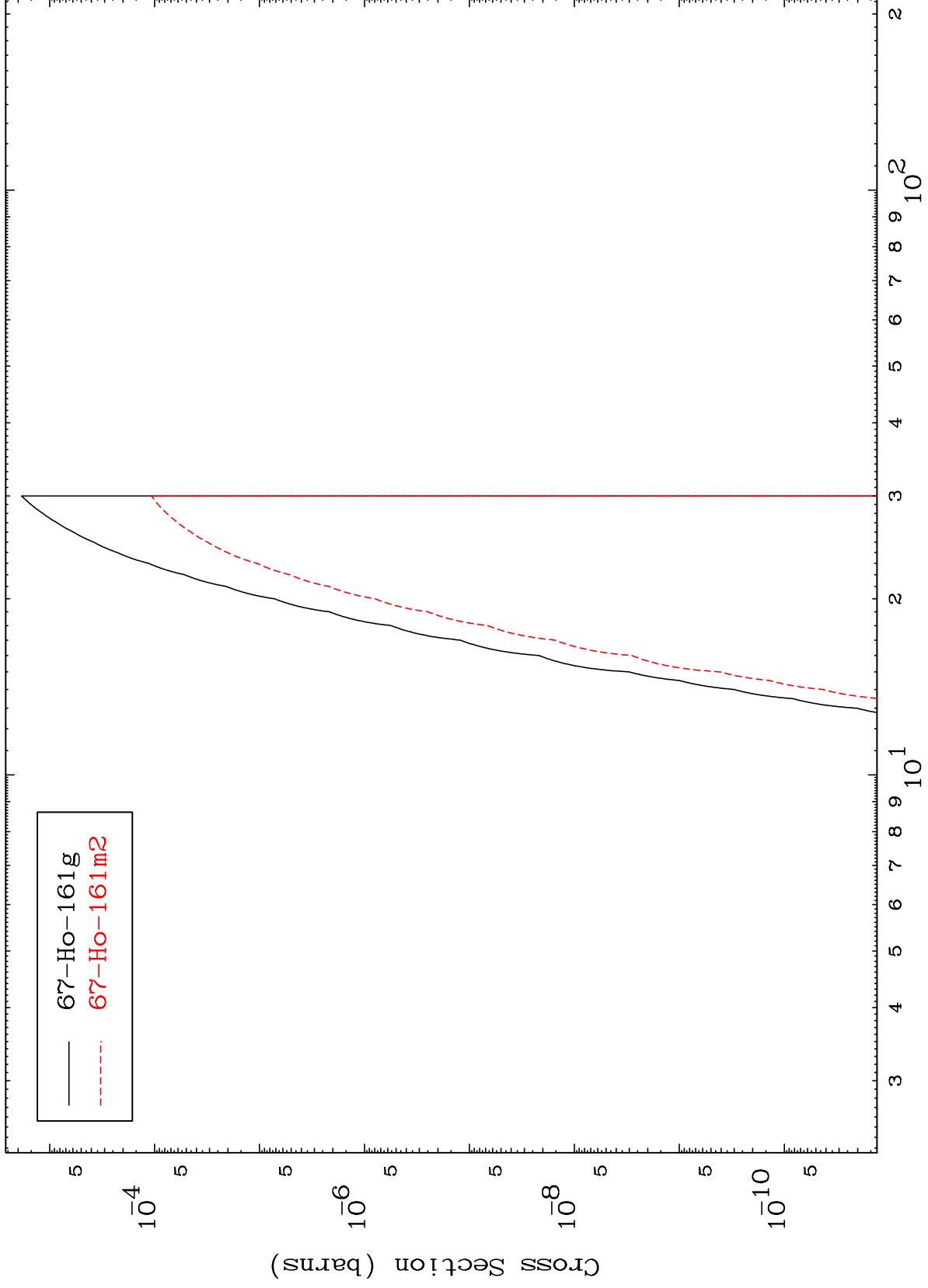
69-Tm-163

MAT 6907

(n,He-3)

69-Tm-163

Radionuclide Production Cross Section



138

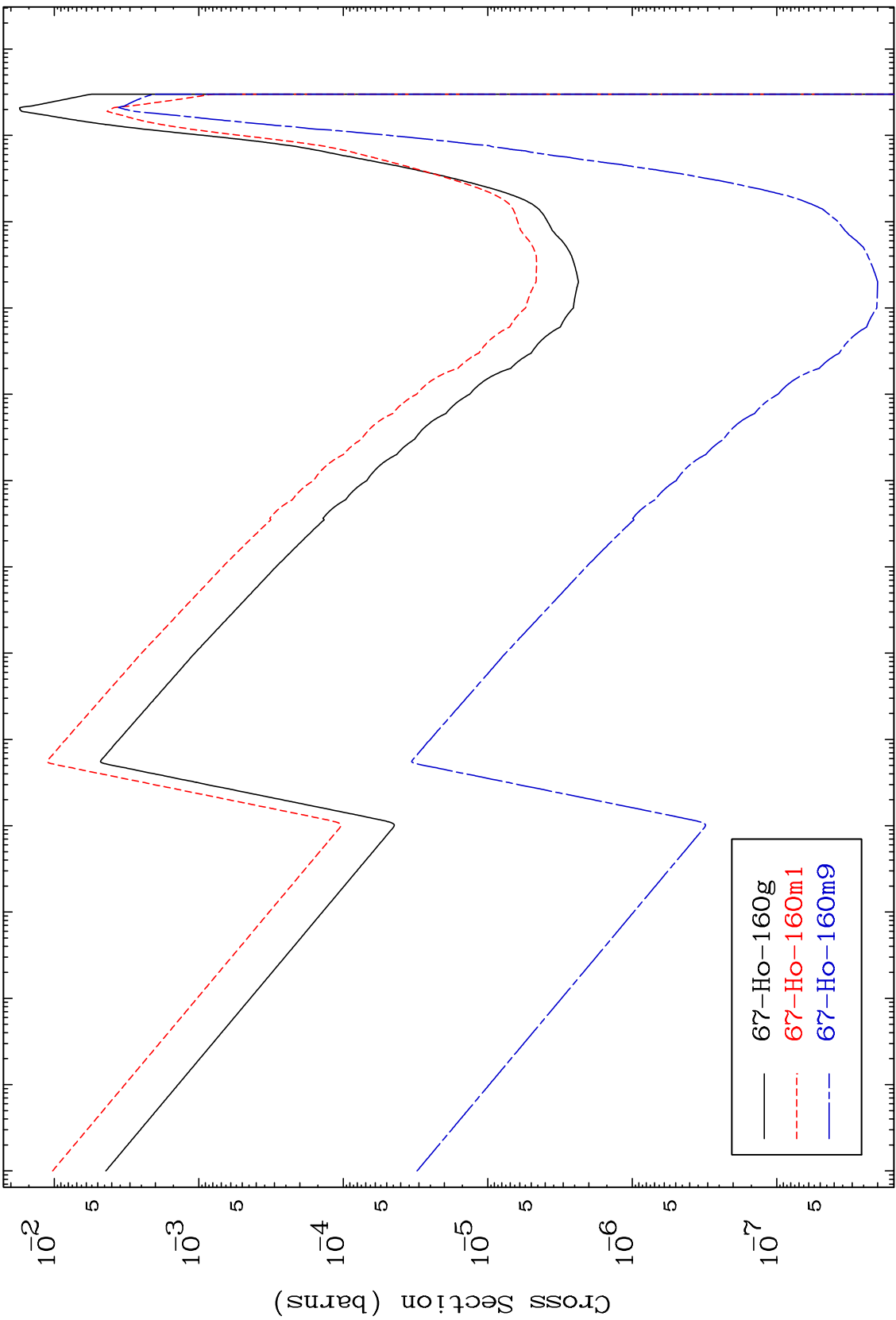
Incident Energy (MeV)

69-Tm-163

MAT 6907

69-Tm-163

Radionuclide Production Cross Section



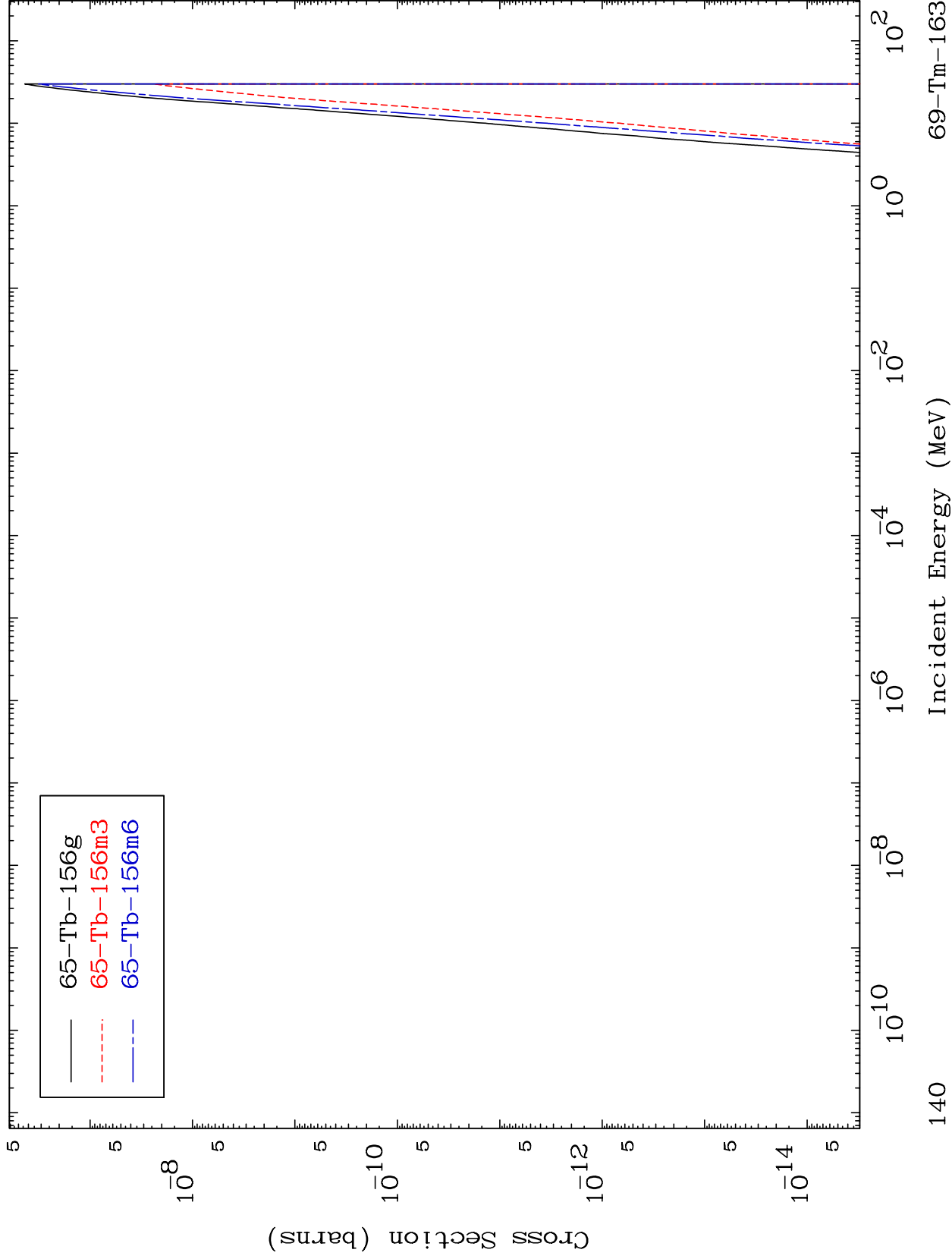
139

MAT 6907

(n,2α)

69-Tm-163

Radionuclide Production Cross Section

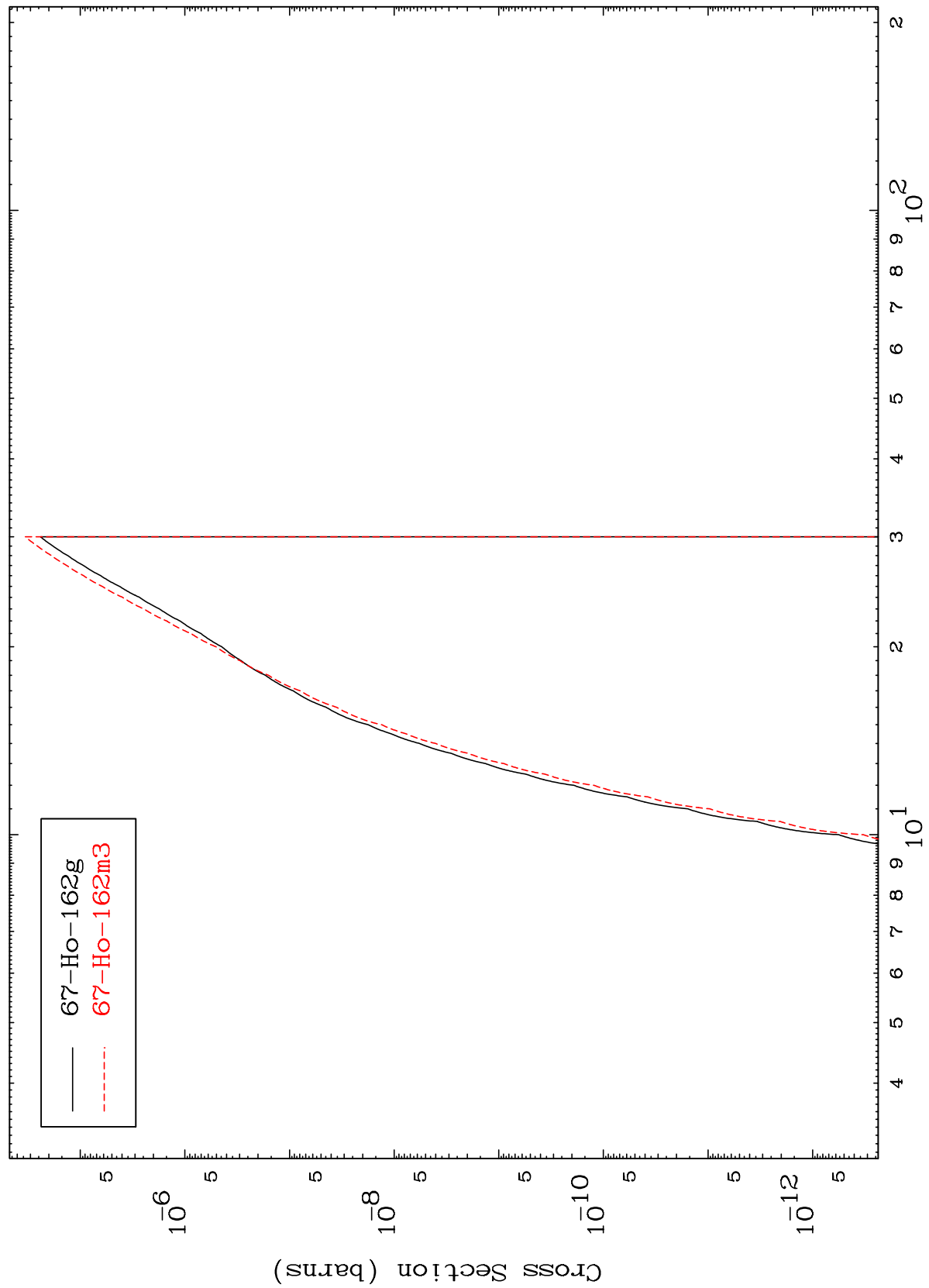


140

MAT 6907

69-Tm-163

(n,2p)
Radionuclide Production Cross Section



141

69-Tm-163

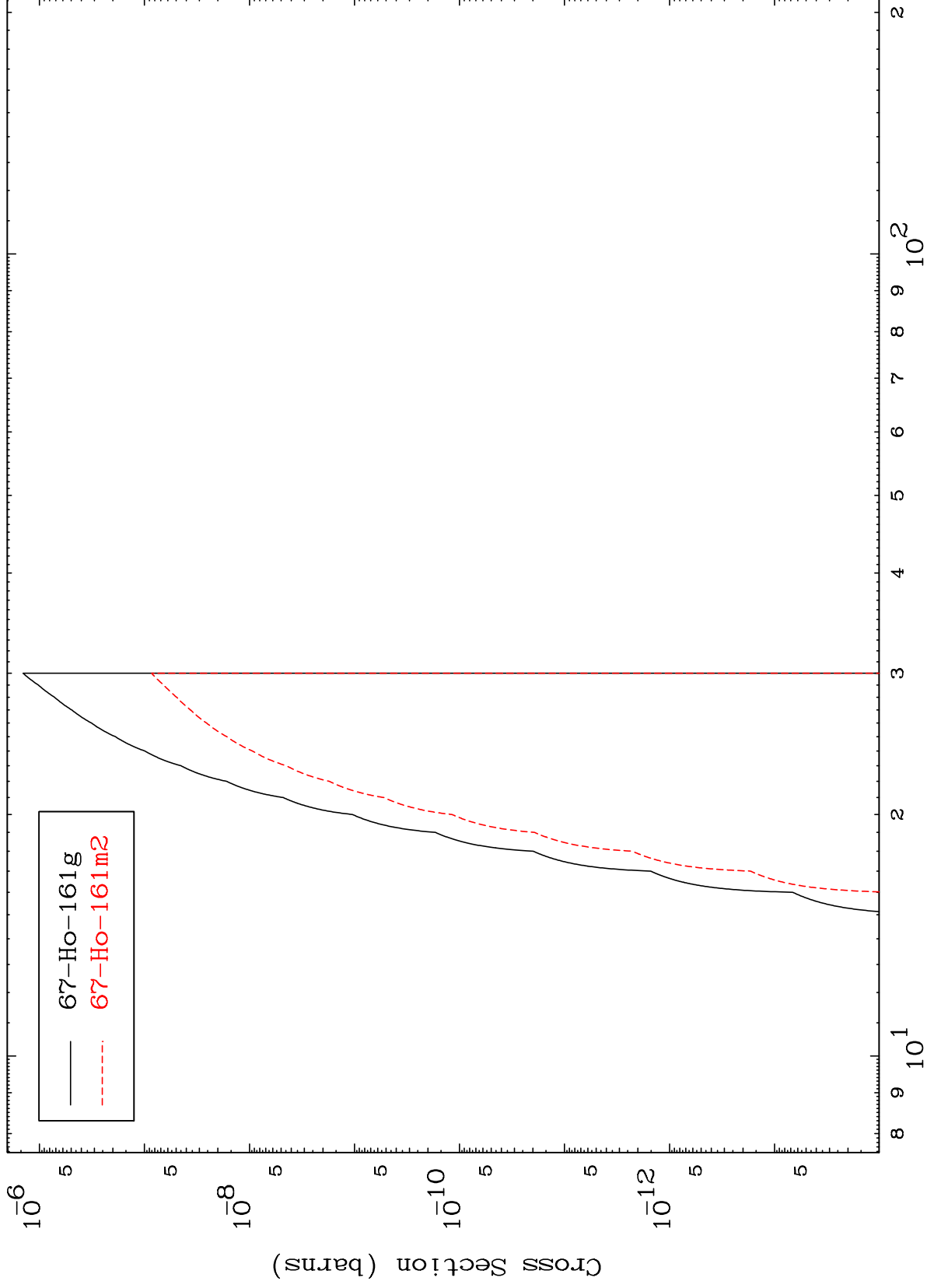
Incident Energy (MeV)

MAT 6907

(n,p) d

69-Tm-163

Radionuclide Production Cross Section



142

Incident Energy (MeV)

69-Tm-163

Radionuclide Production Cross Section

