

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

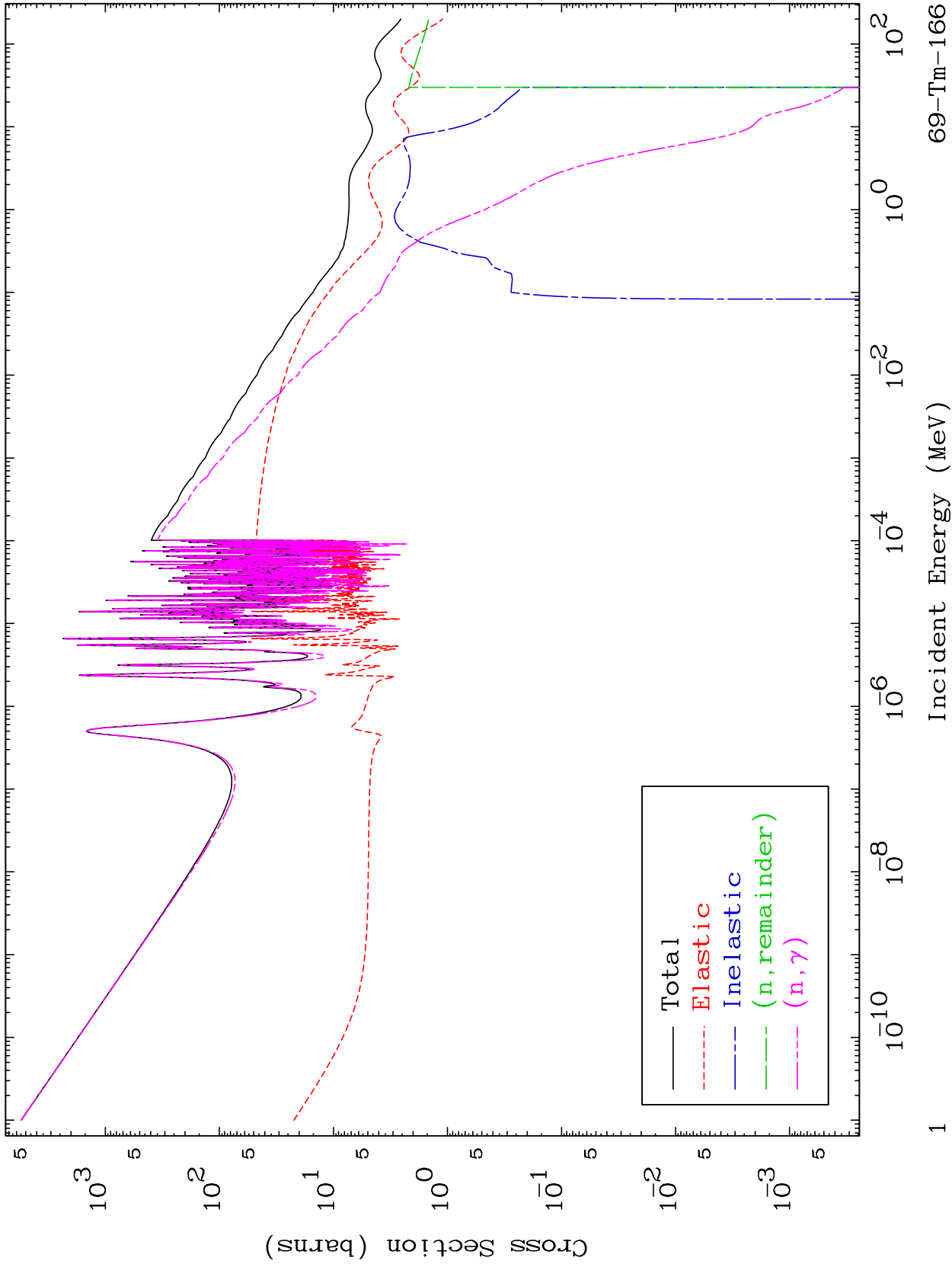
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6916

Major
293 Kelvin Cross Sections

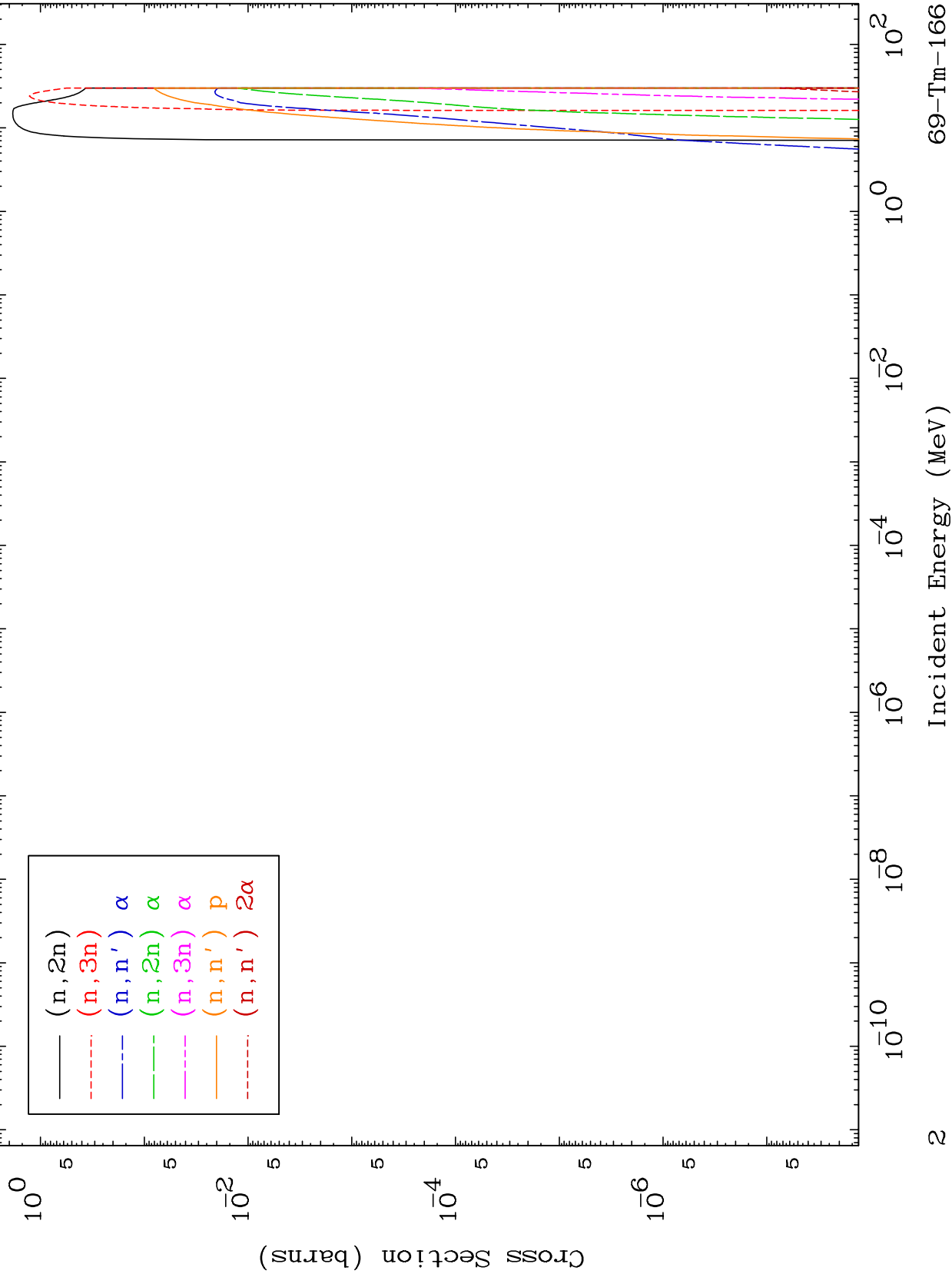
69-Tm-166

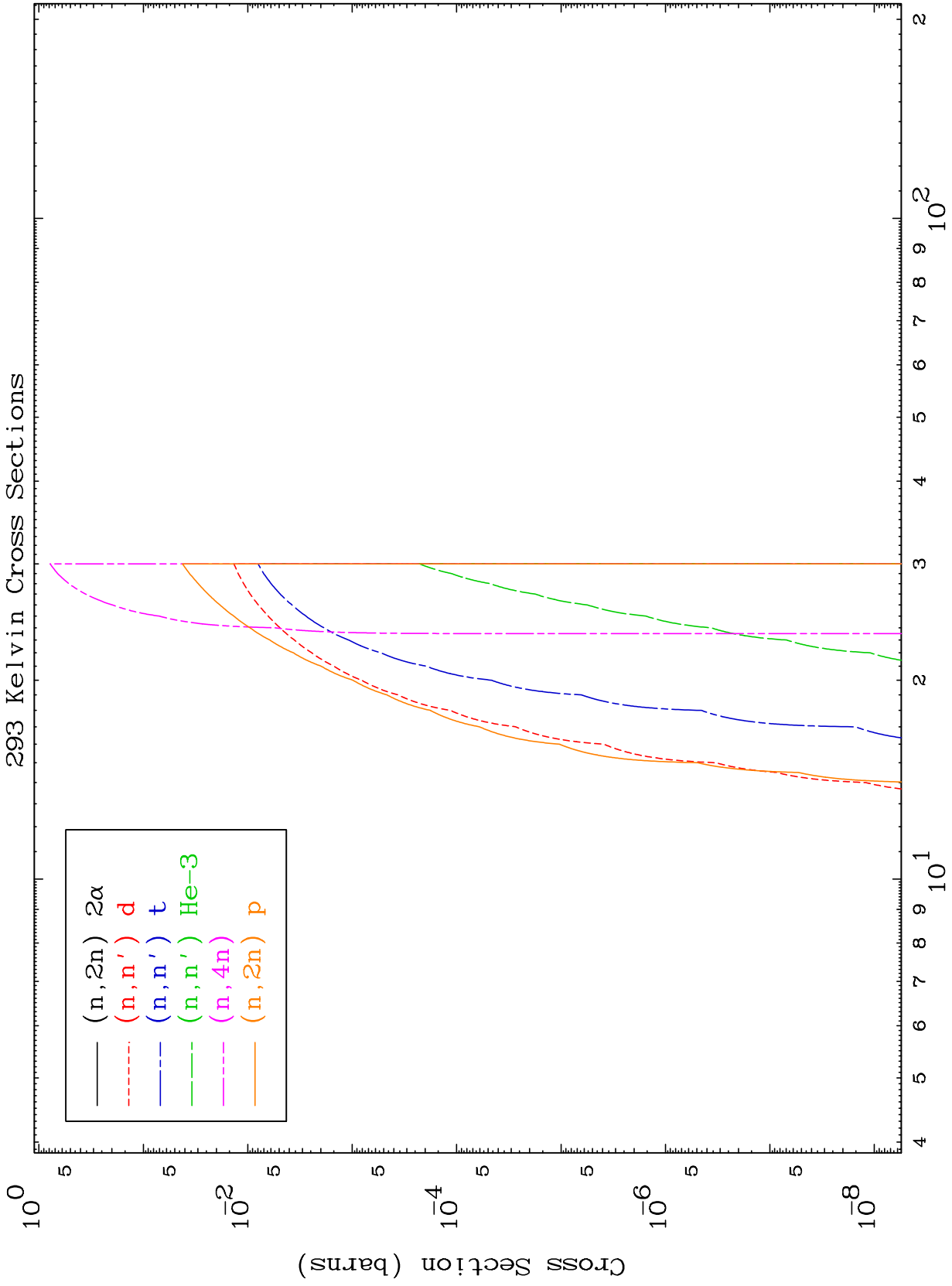


MAT 6916

Neutron Production
293 Kelvin Cross Sections

69-Tm-166

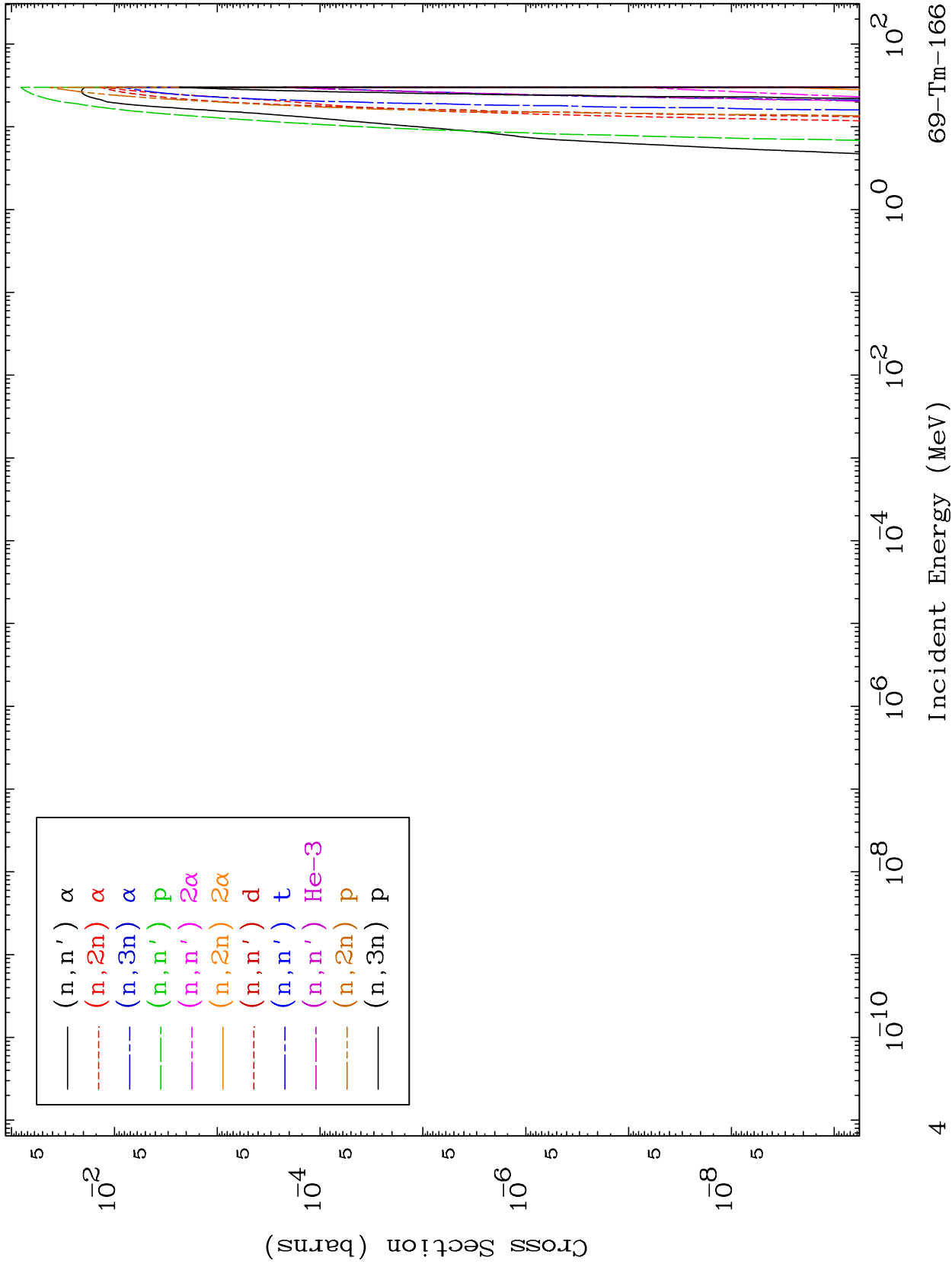




MAT 6916

Charged Particle
293 Kelvin Cross Sections

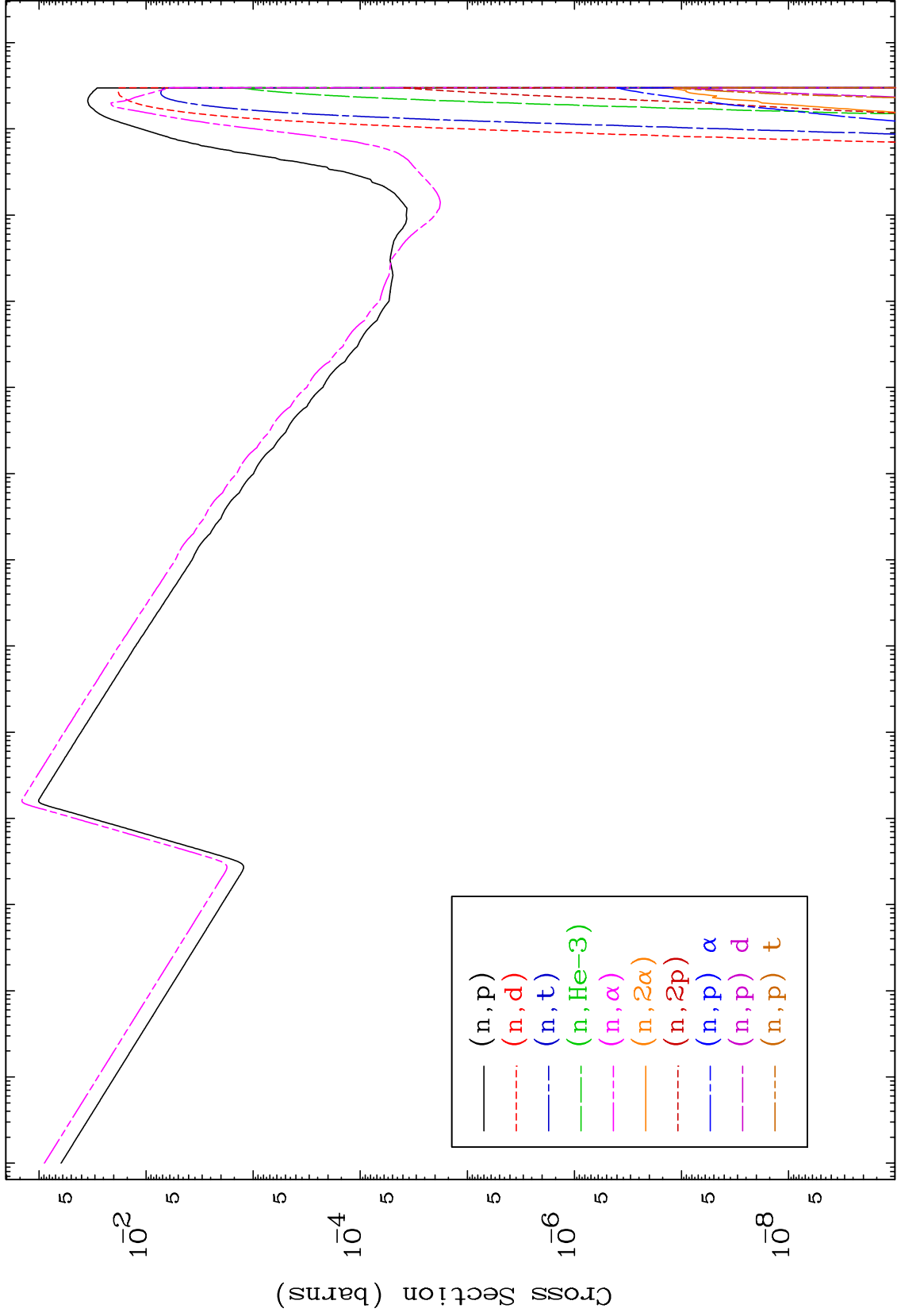
69-Tm-166



MAT 6916

Charged Particle
293 Kelvin Cross Sections

69-Tm-166



5

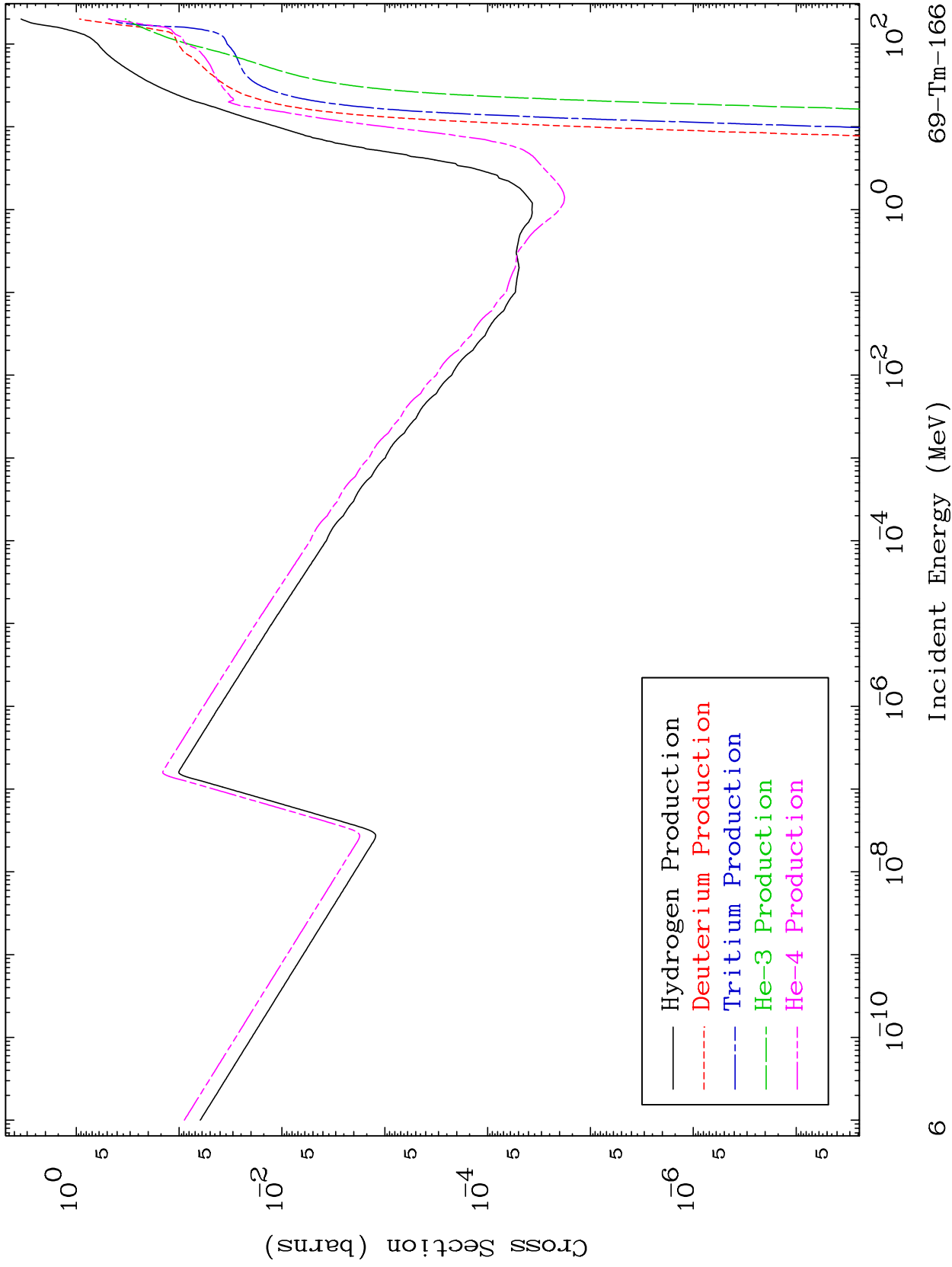
Incident Energy (MeV)

69-Tm-166

MAT 6916

Particle Production
293 Kelvin Cross Sections

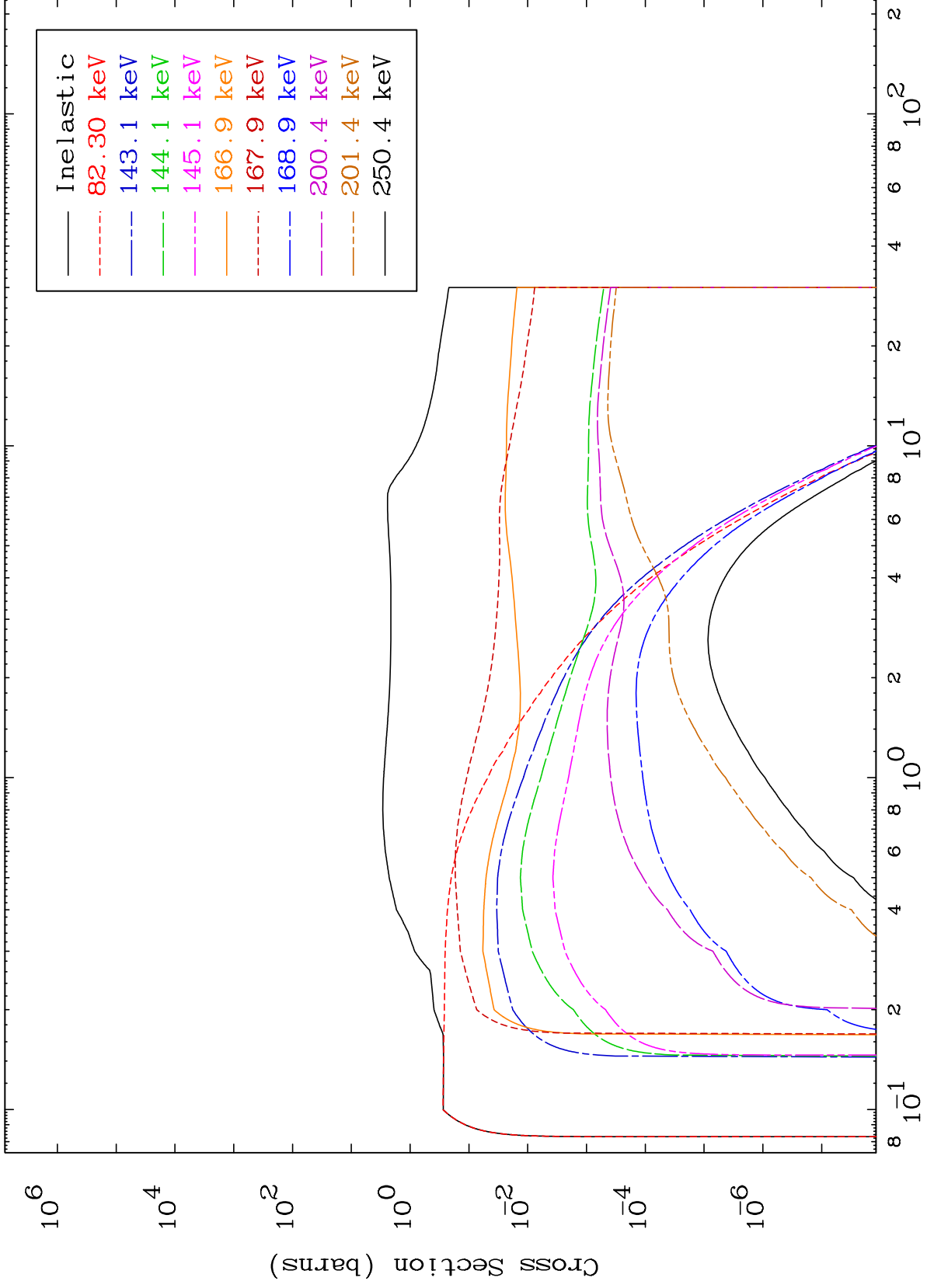
69-Tm-166



MAT 6916

(n,n') Level
293 Kelvin Cross Sections

69-Tm-166



69-Tm-166

Incident Energy (MeV)

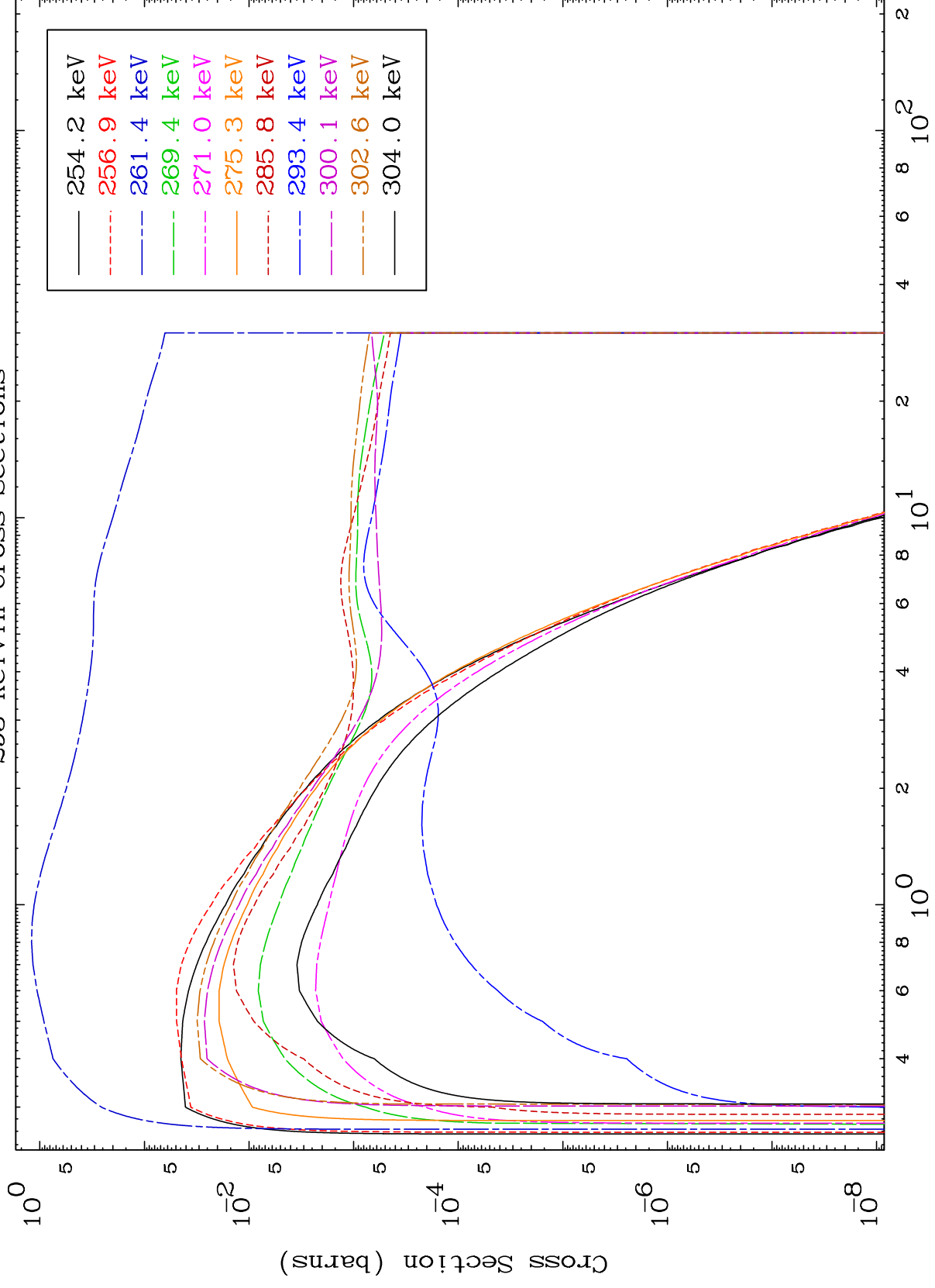
7

MAT 6916

(n,n') Level

69-Tm-166

293 Kelvin Cross Sections



8

Incident Energy (MeV)

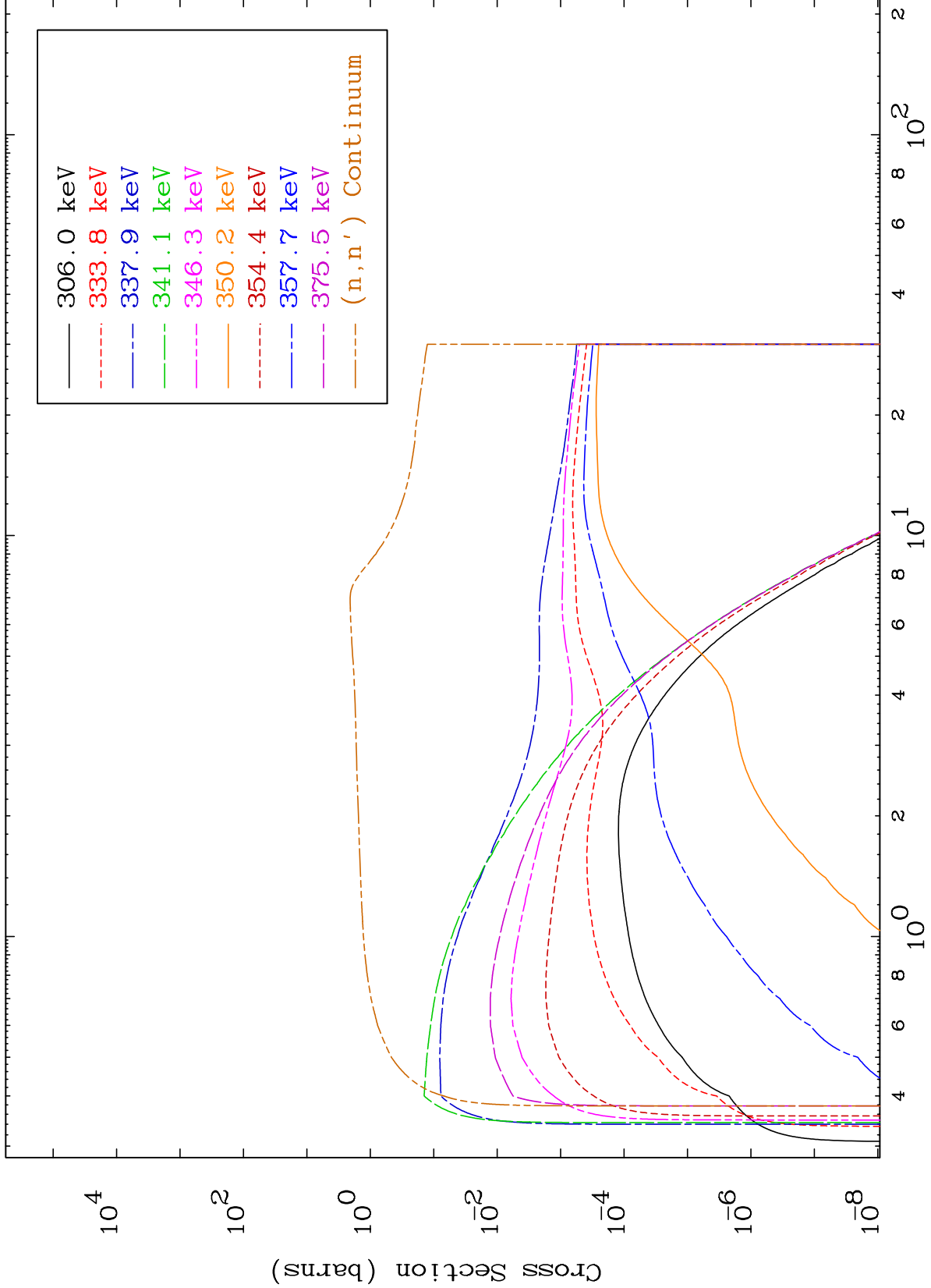
69-Tm-166

MAT 6916

(n,n') Level

69-Tm-166

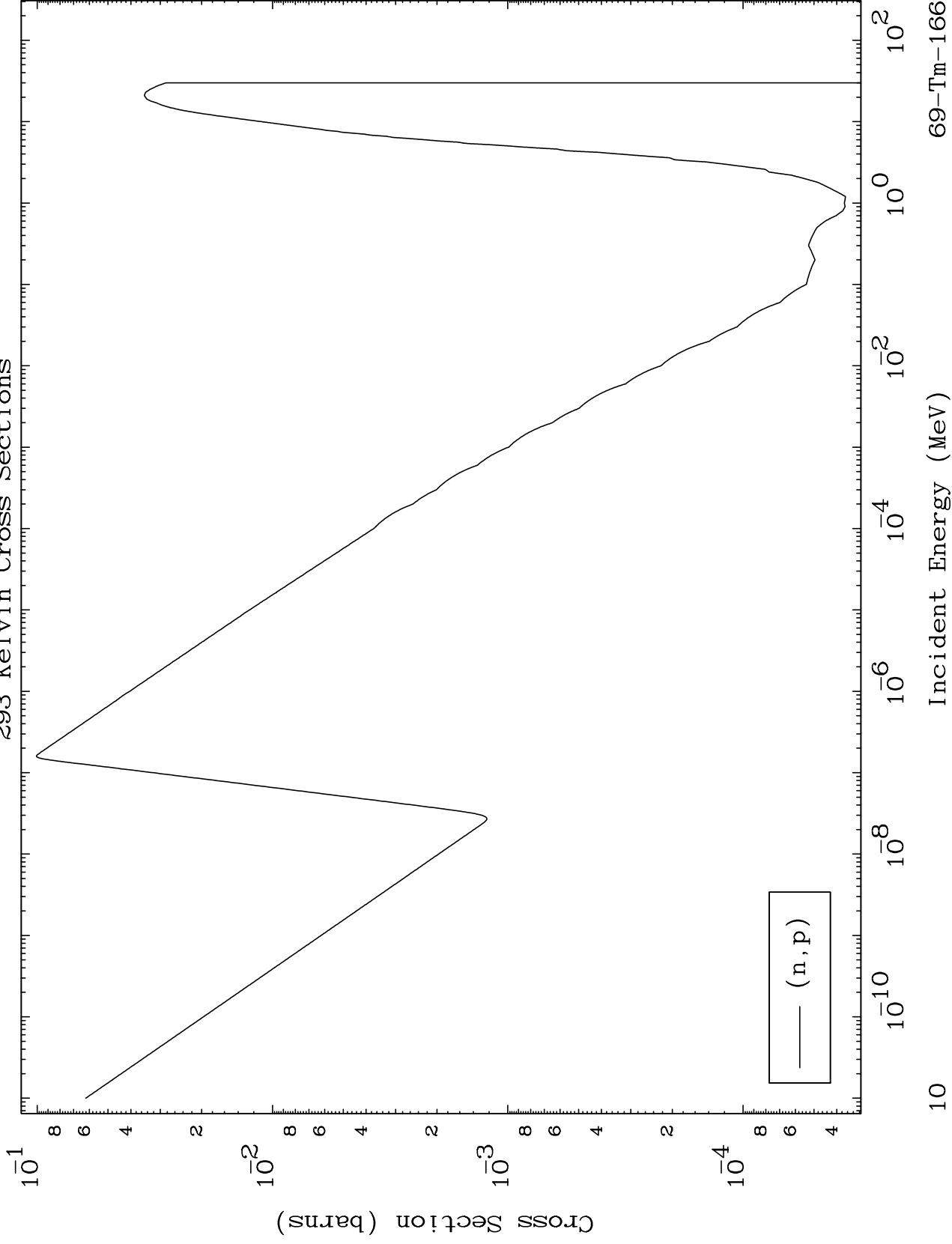
293 Kelvin Cross Sections



MAT 6916

(n,p) Levels
293 Kelvin Cross Sections

69-Tm-166



10

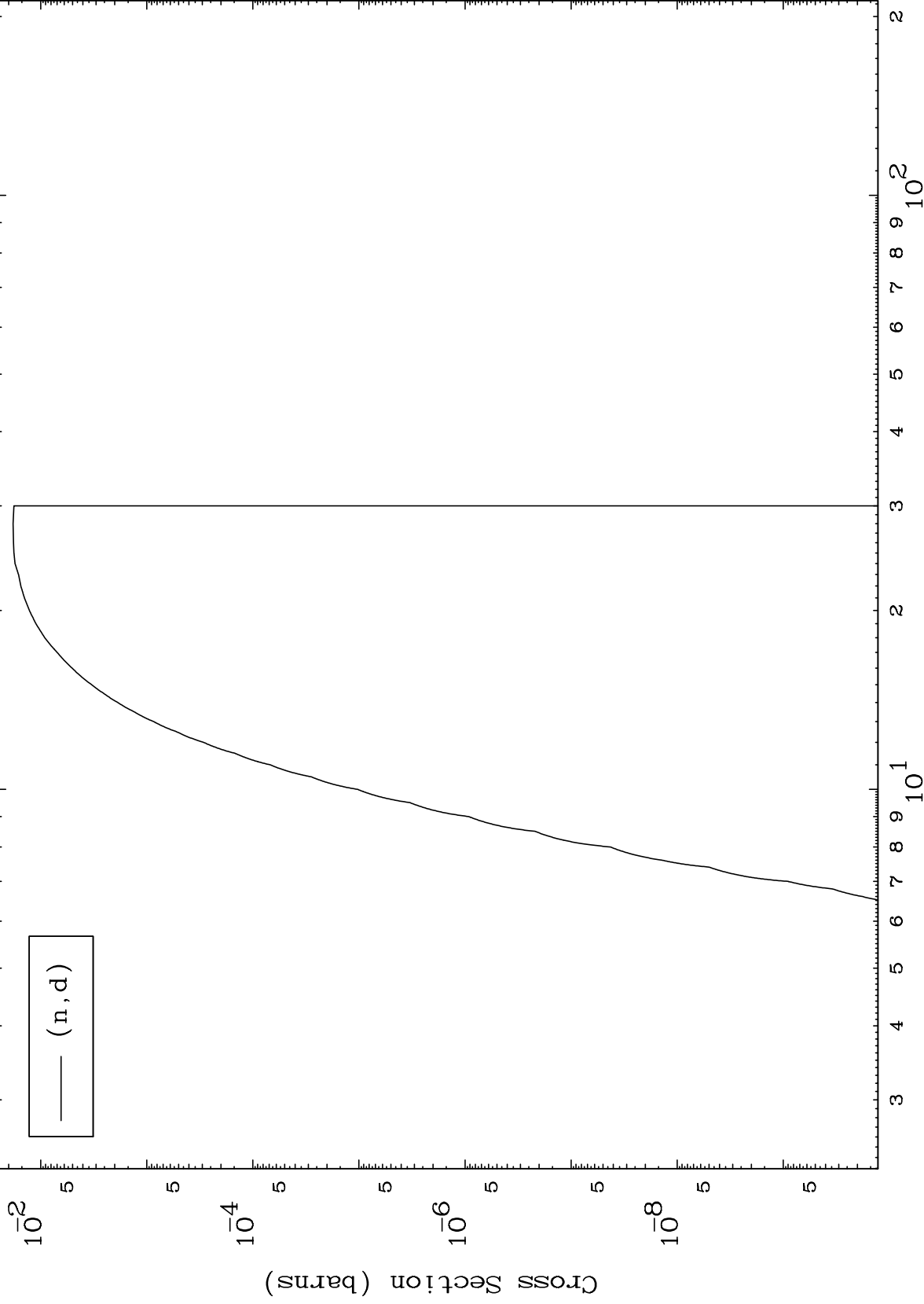
Incident Energy (MeV)

69-Tm-166

MAT 6916

(n,d) Levels
293 Kelvin Cross Sections

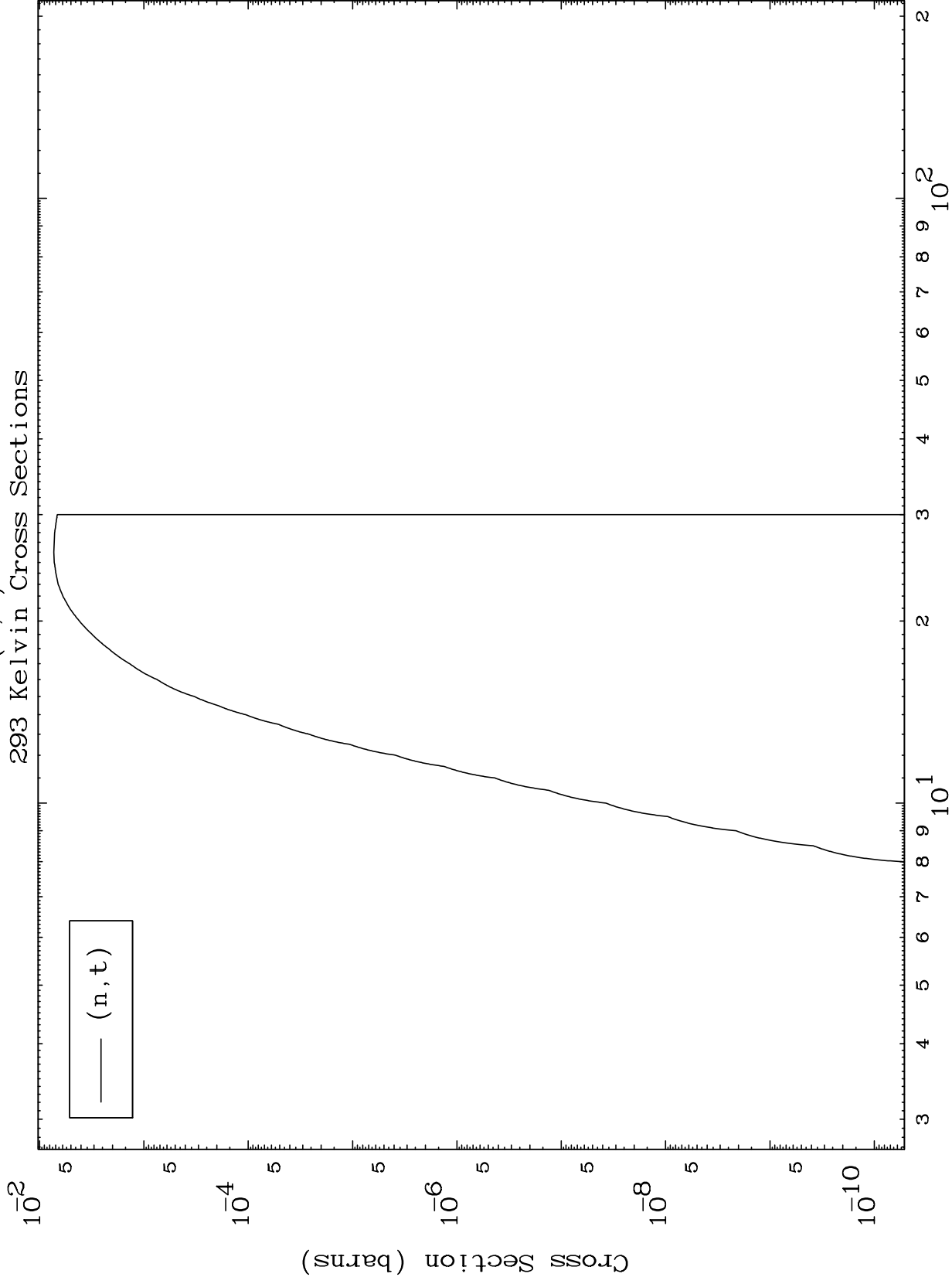
69-Tm-166



MAT 6916

(n,t) Levels
293 Kelvin Cross Sections

69-Tm-166



12

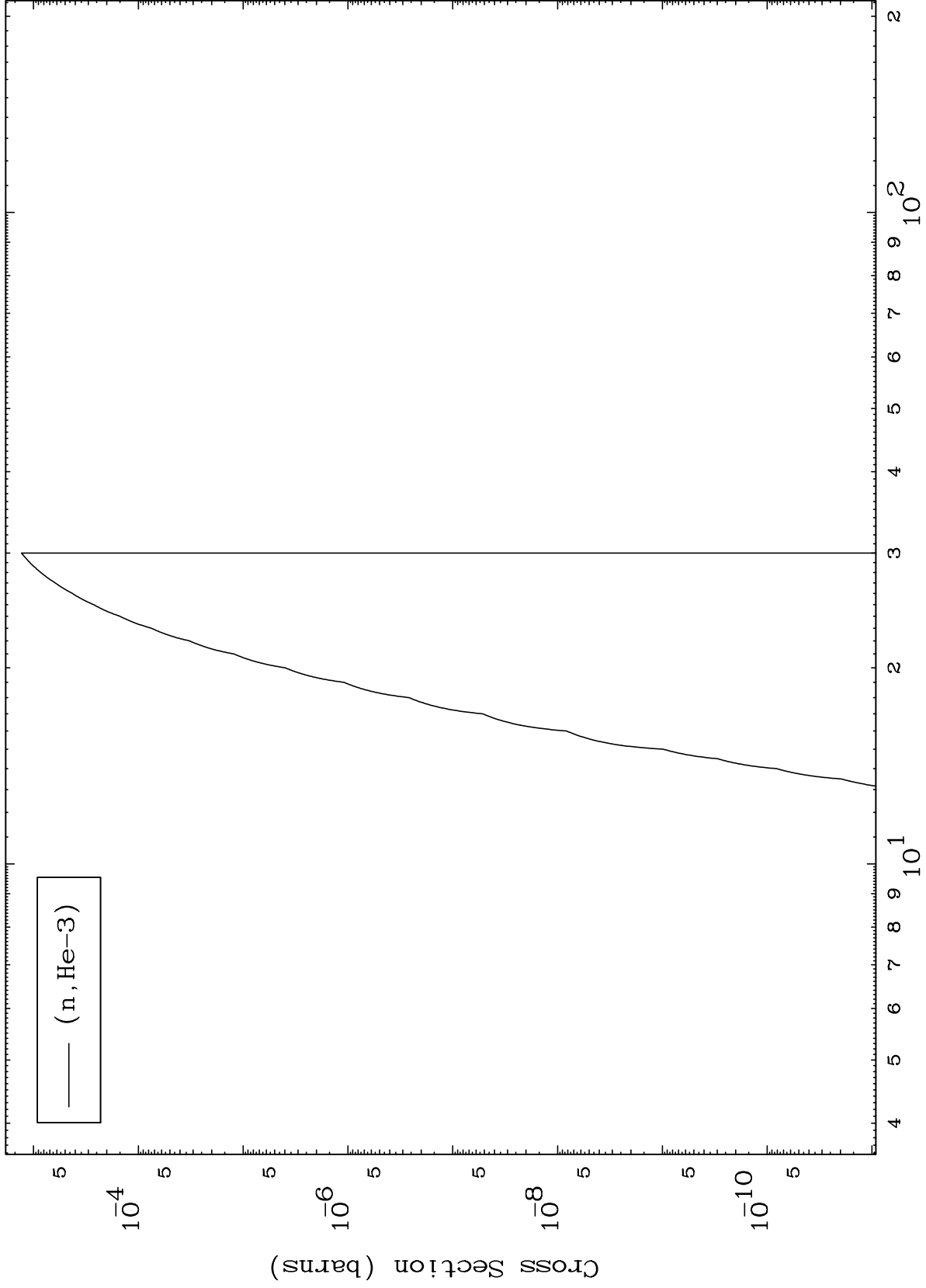
Incident Energy (MeV)

69-Tm-166

MAT 6916

(n,He3) Levels
293 Kelvin Cross Sections

69-Tm-166



13

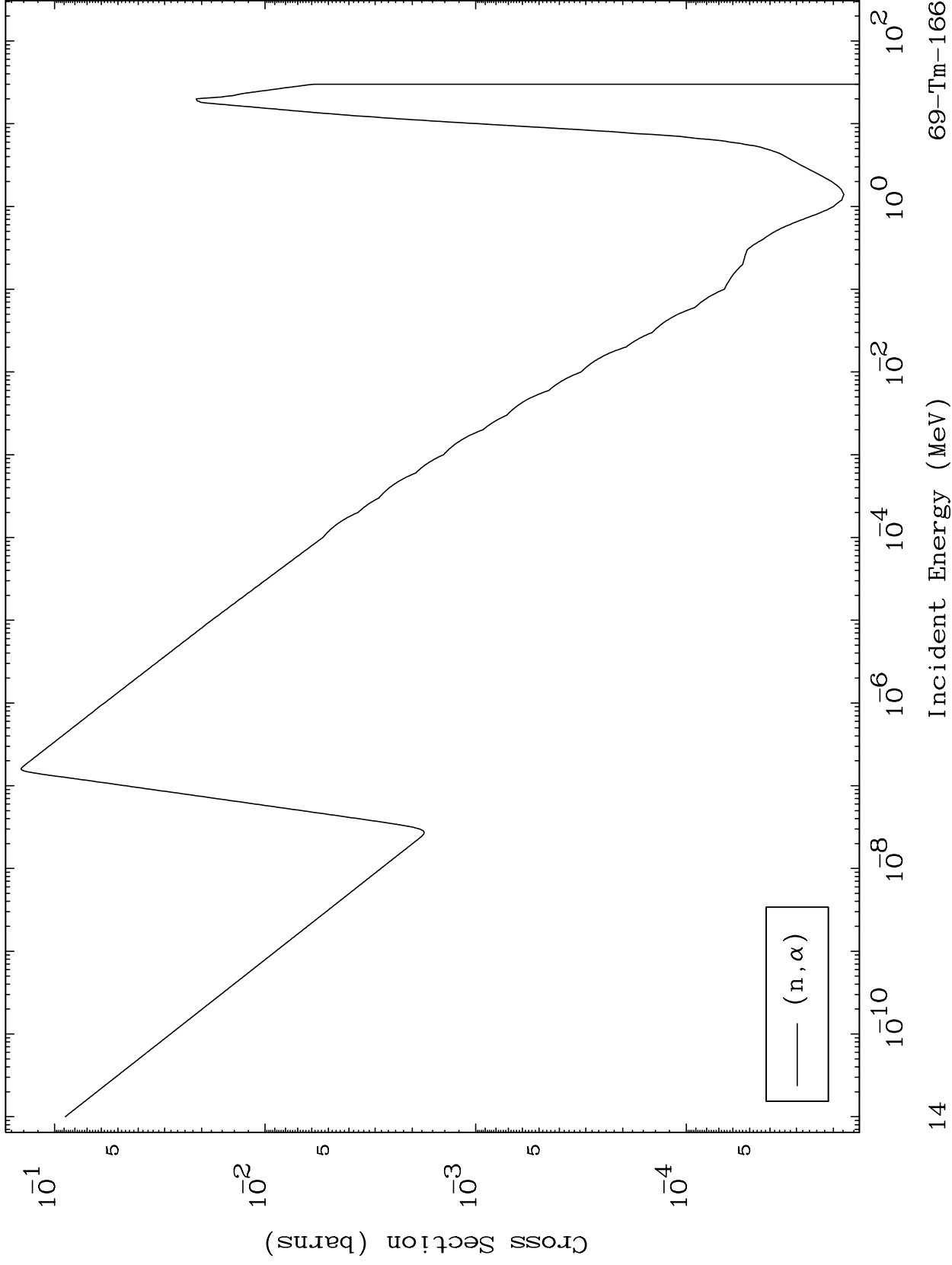
Incident Energy (MeV)

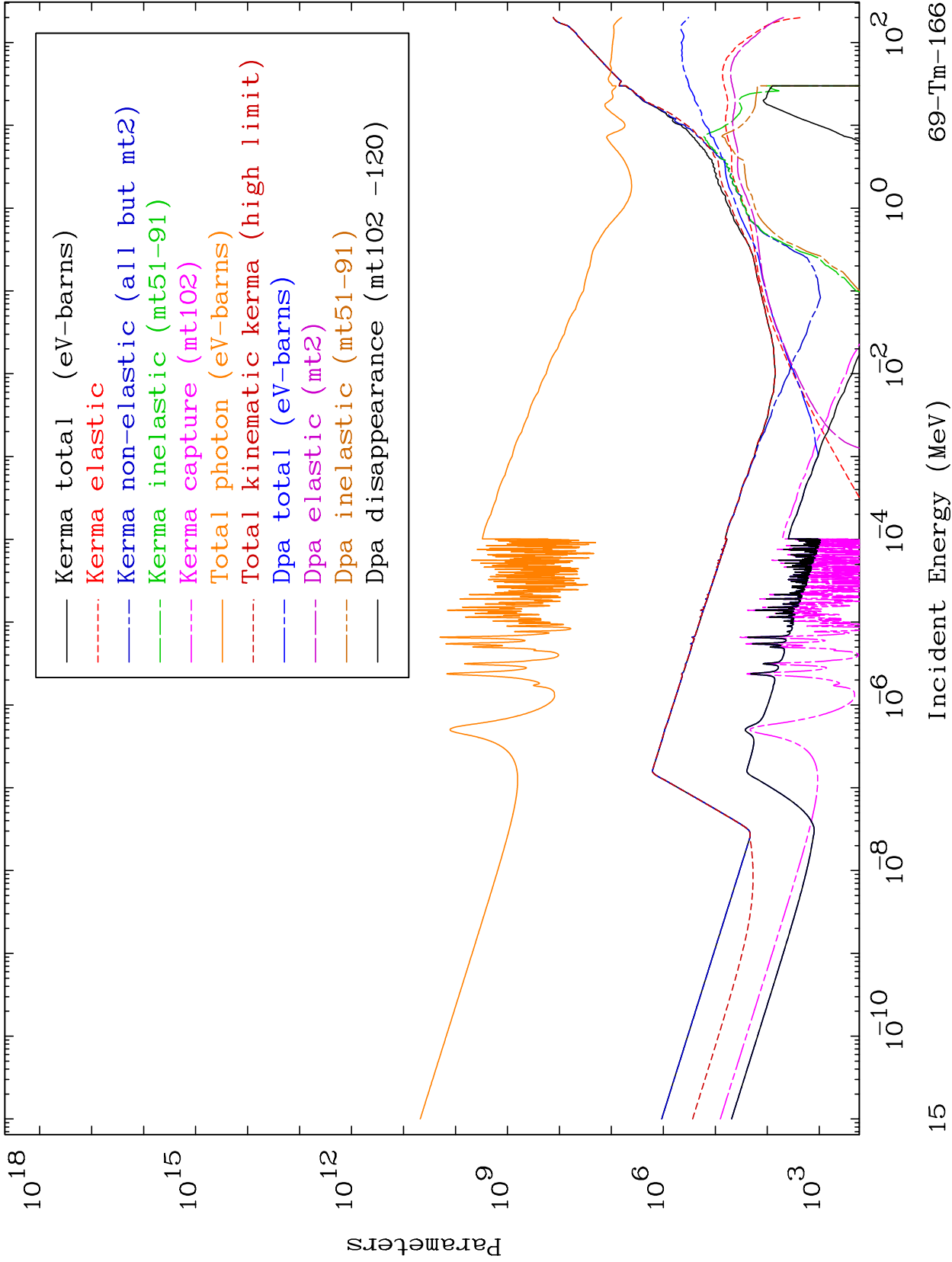
69-Tm-166

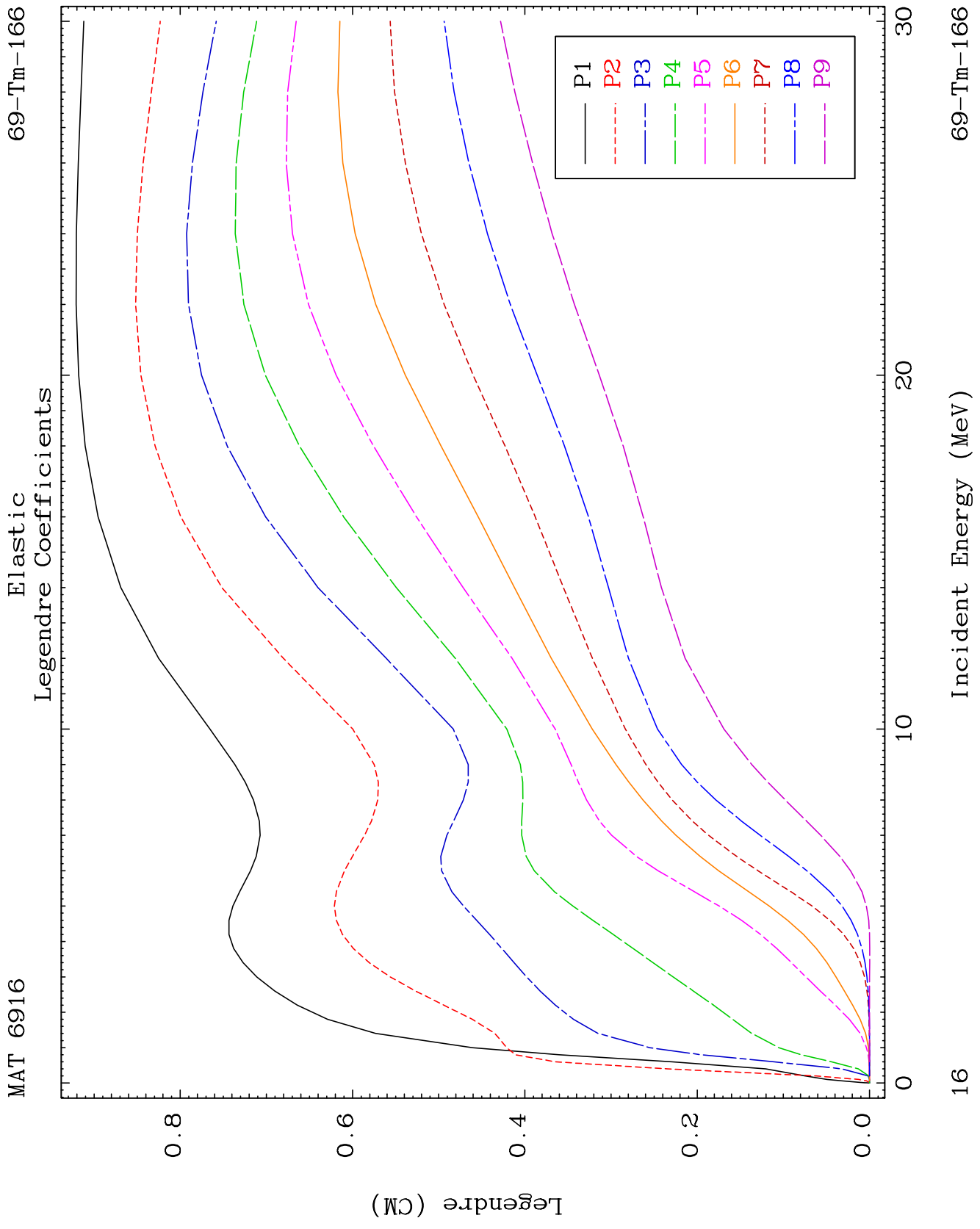
MAT 6916

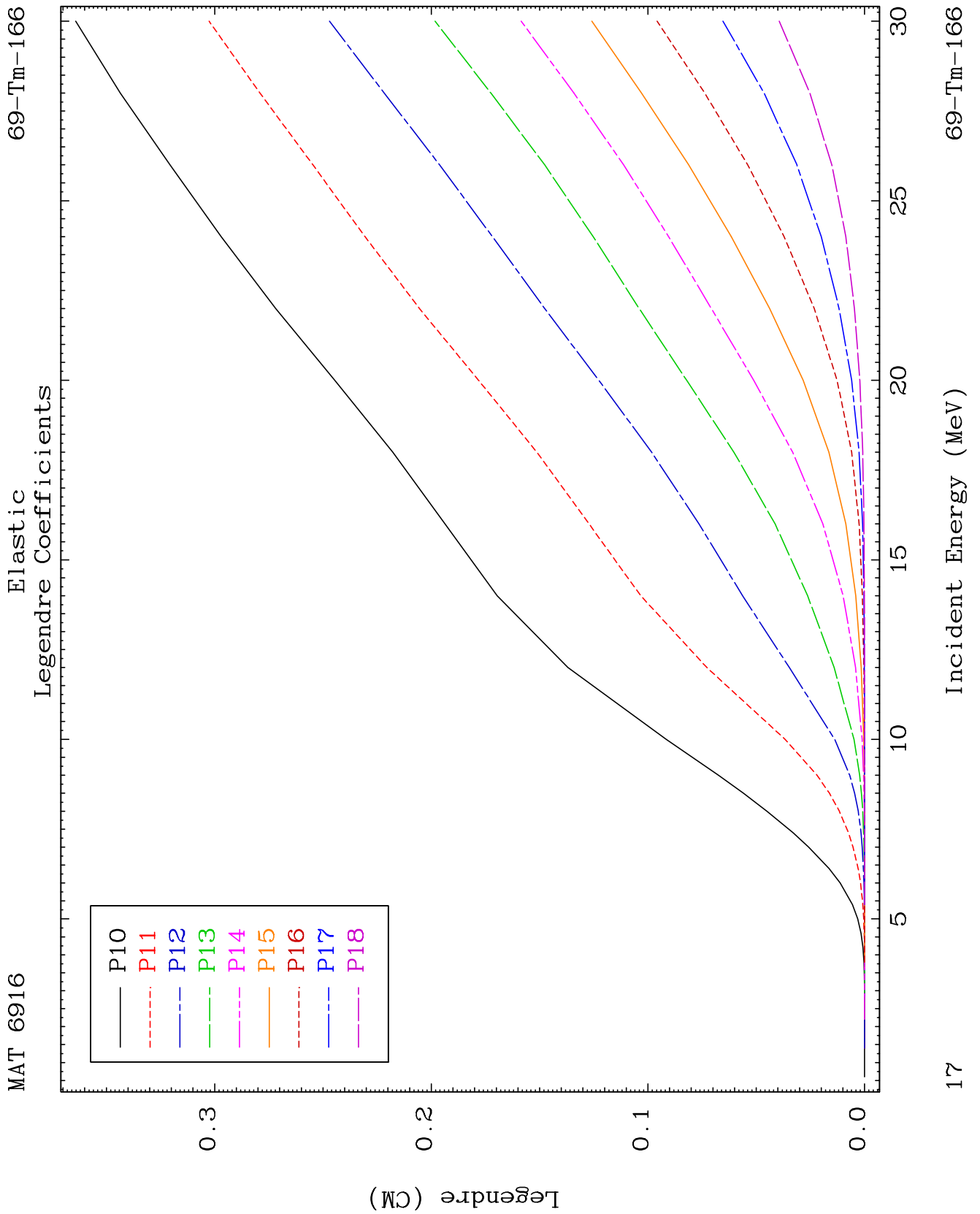
(n, α) Levels
293 Kelvin Cross Sections

69-Tm-166





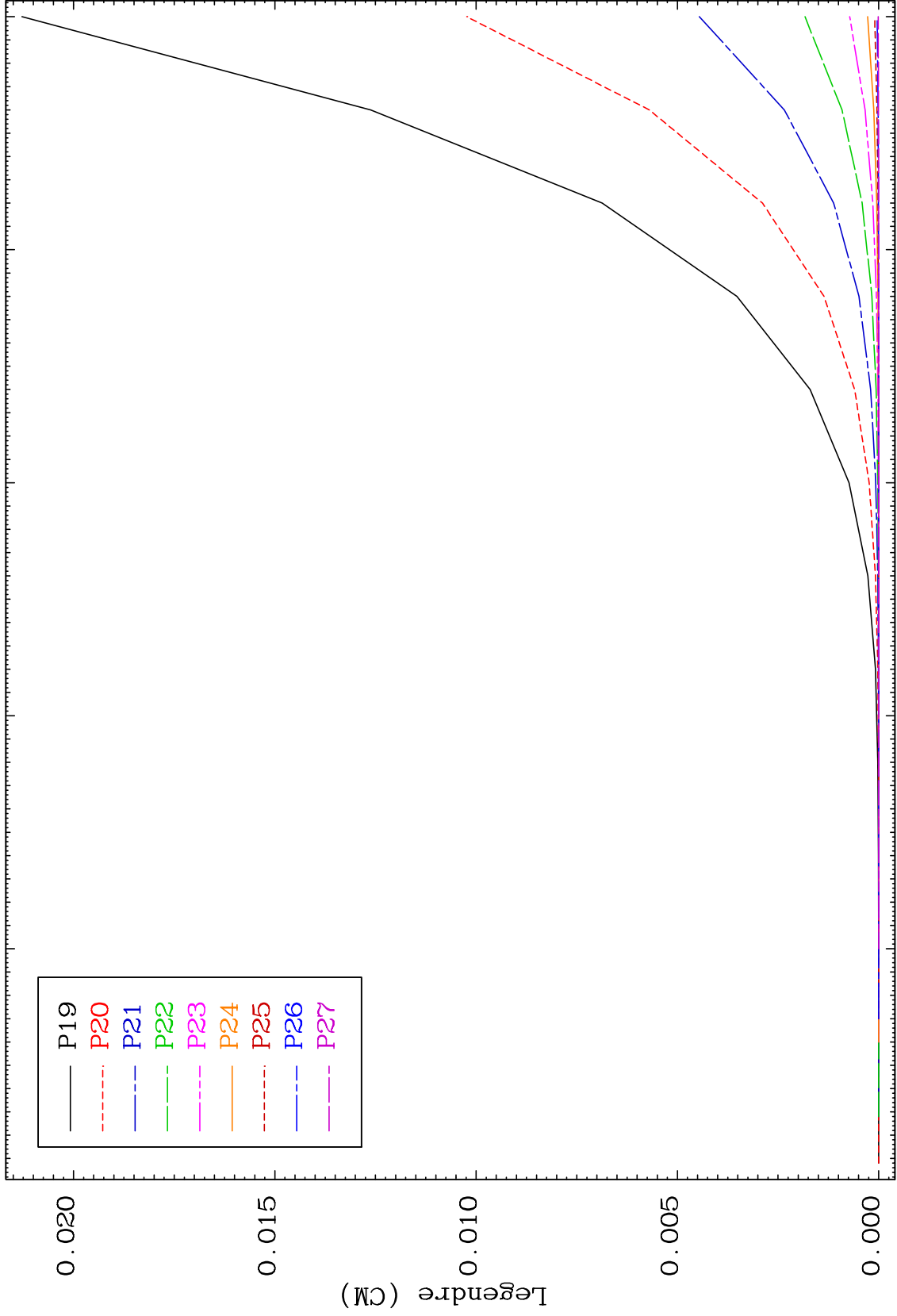




MAT 6916

Elastic Legendre Coefficients

69-Tm-166



18

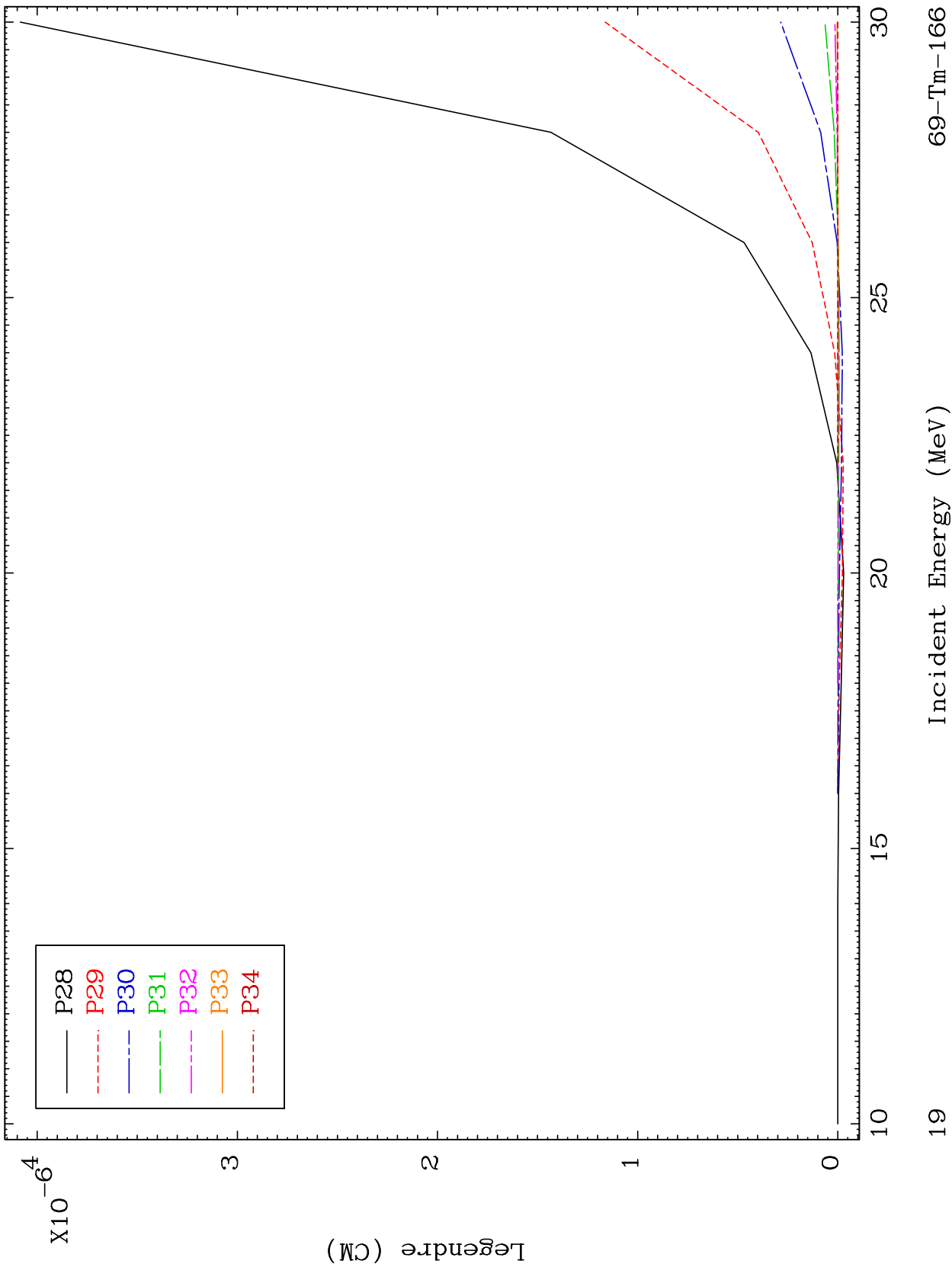
Incident Energy (MeV)

69-Tm-166

MAT 6916

Elastic
Legendre Coefficients

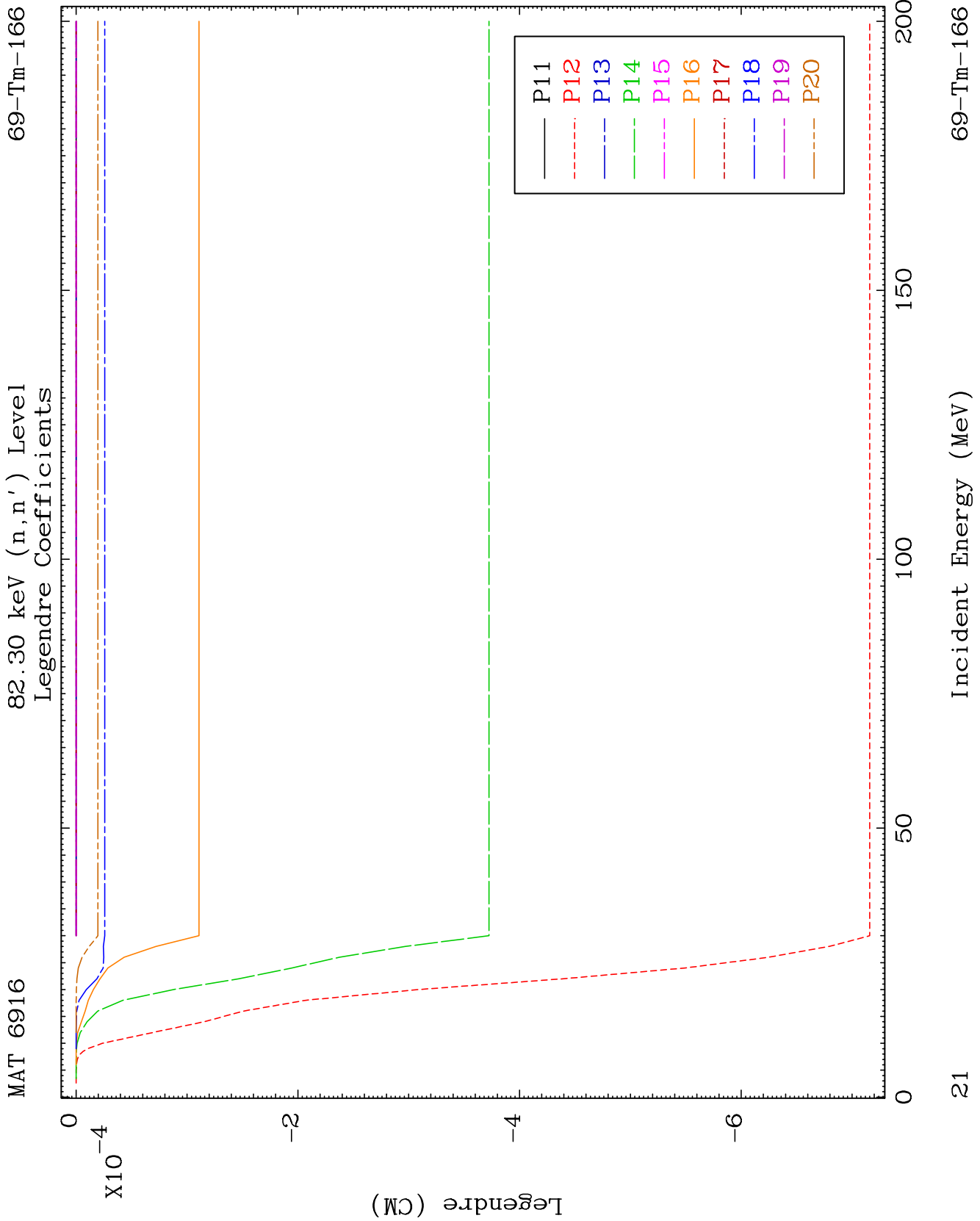
69-Tm-166

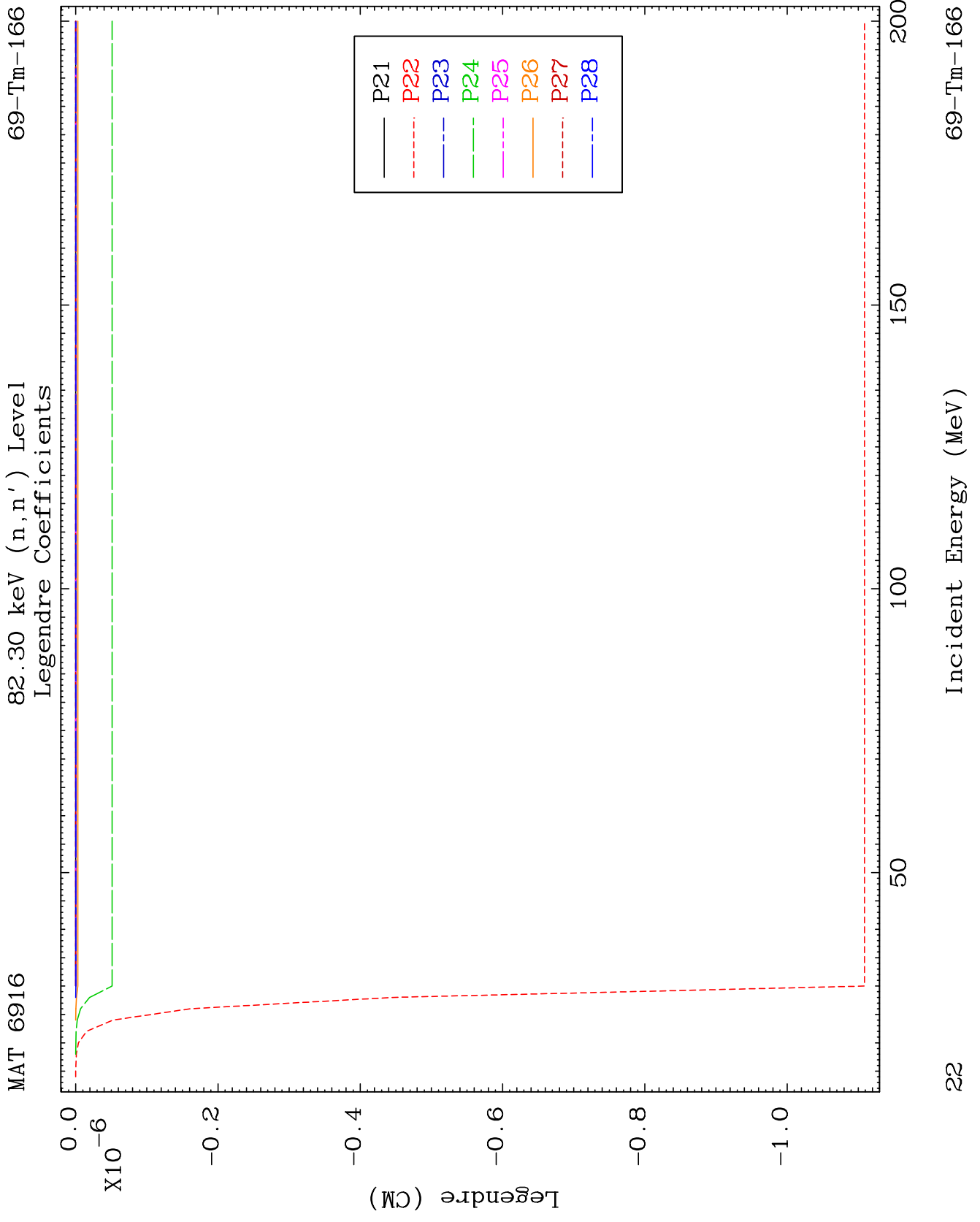


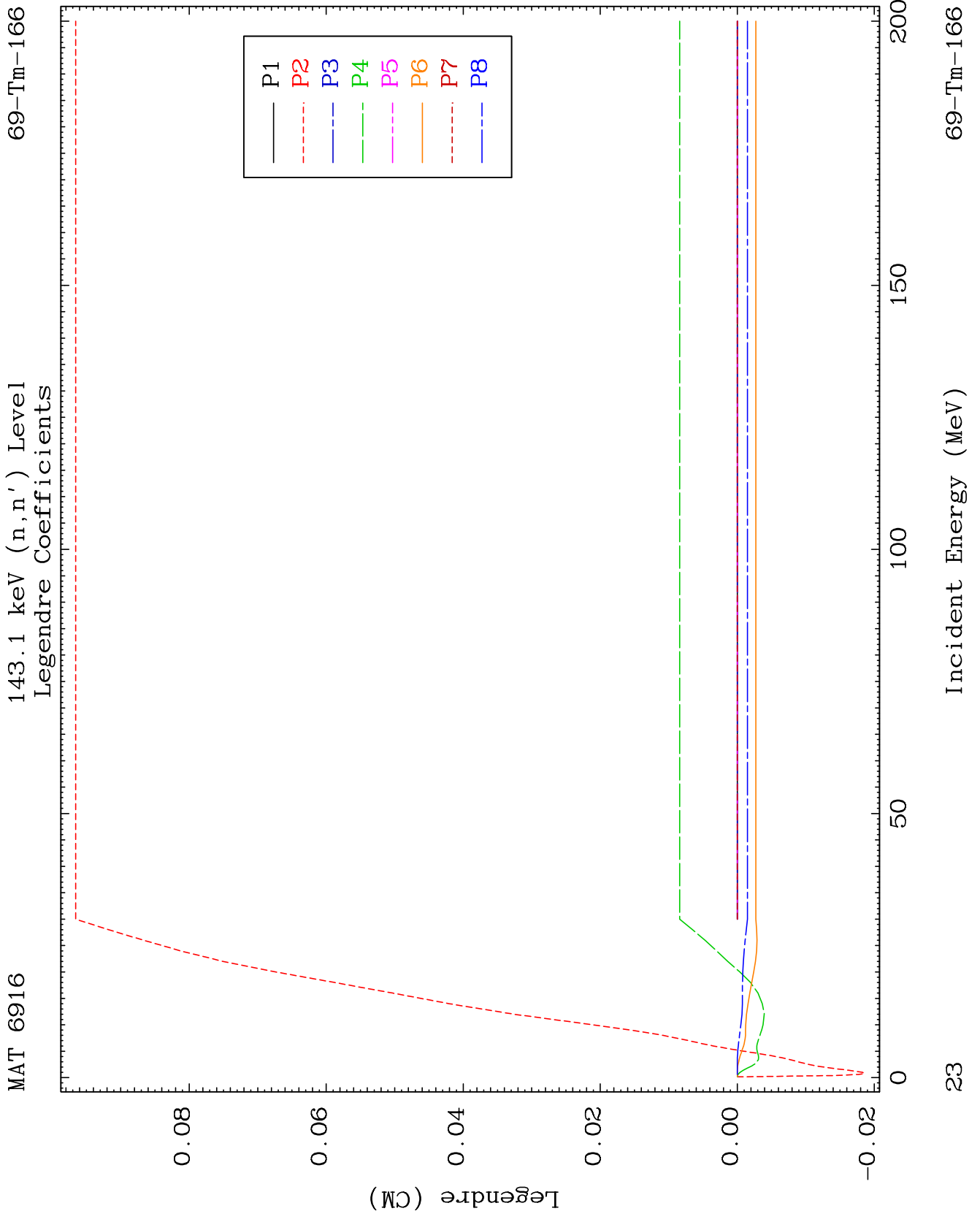
19

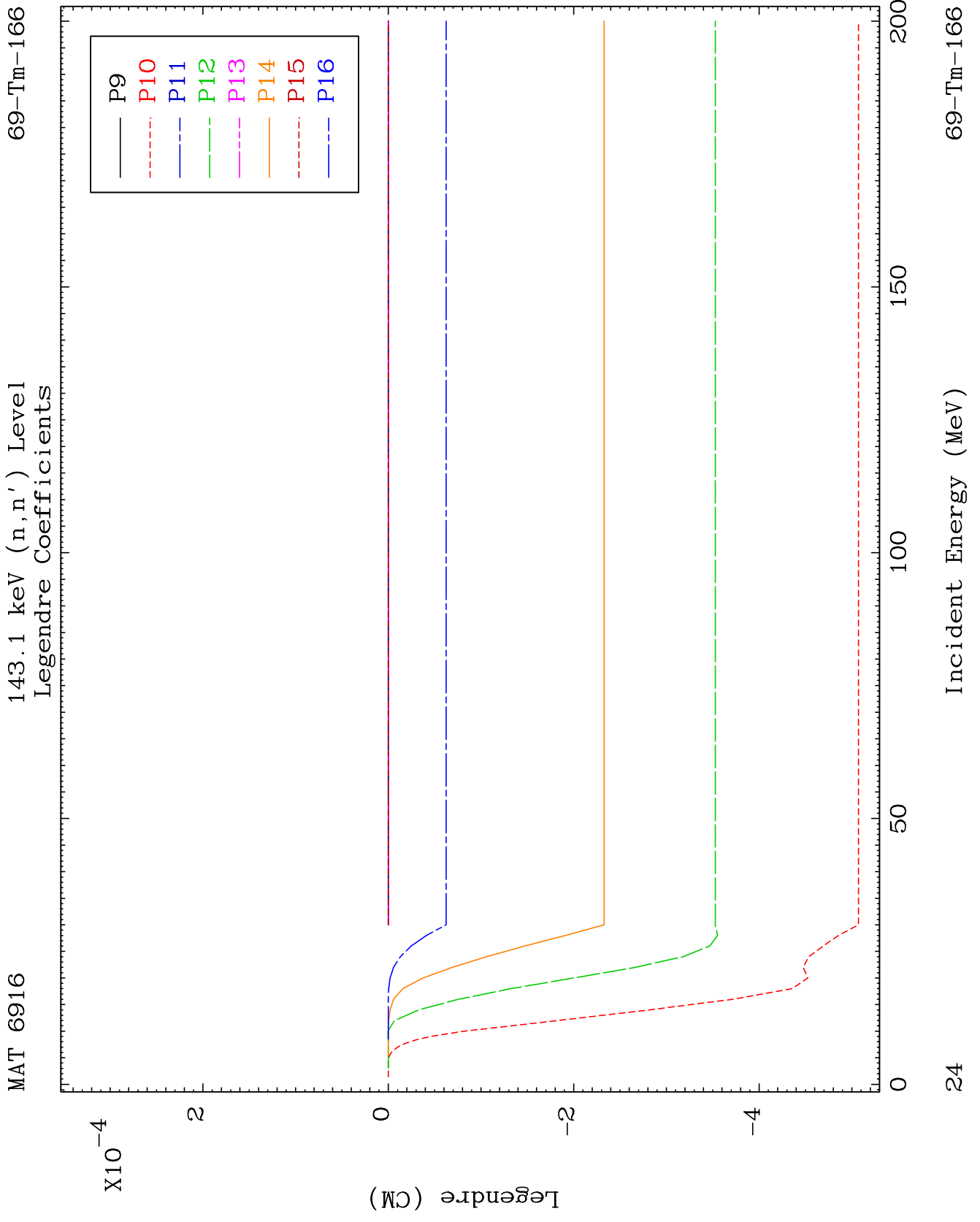
Incident Energy (MeV)

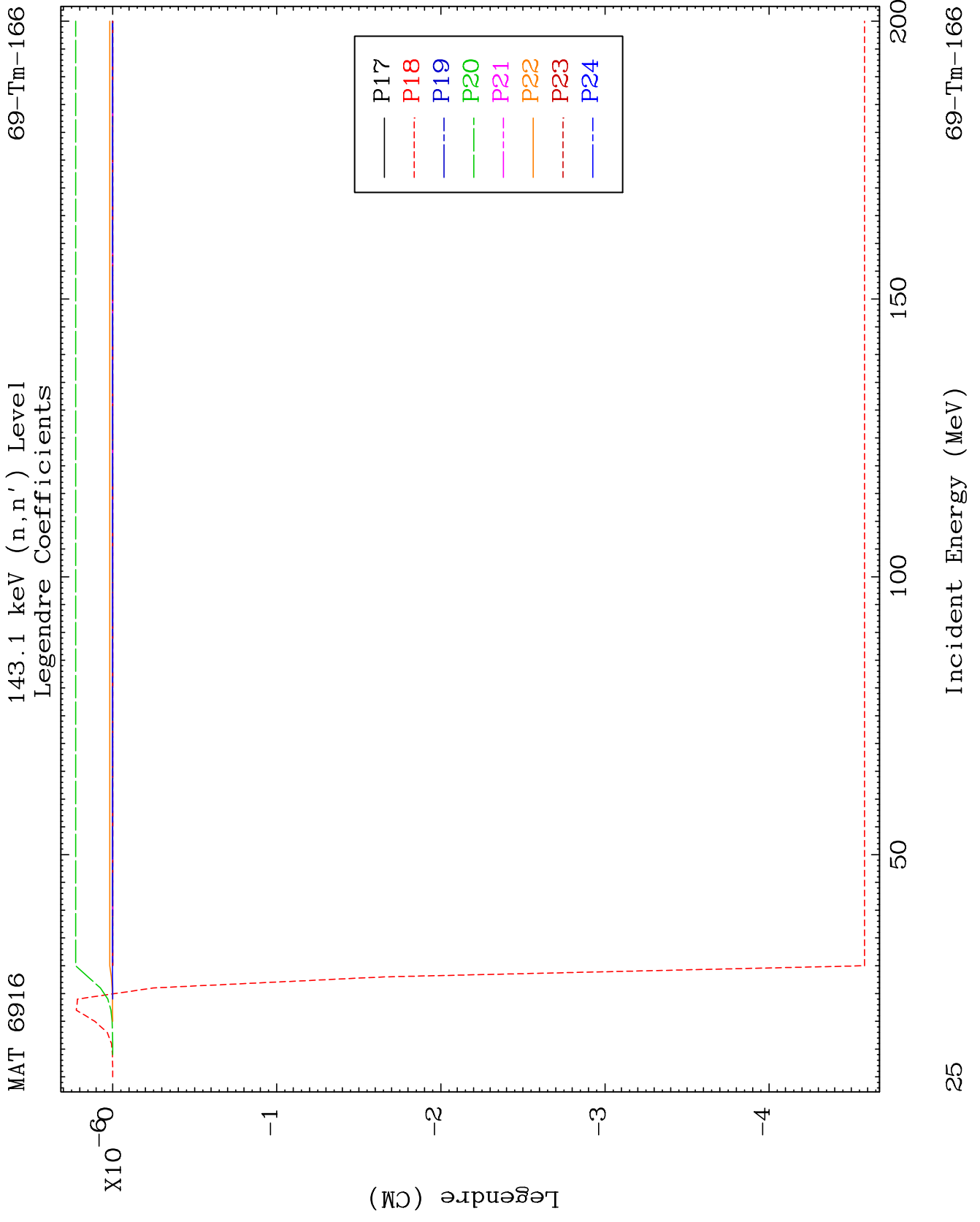
69-Tm-166

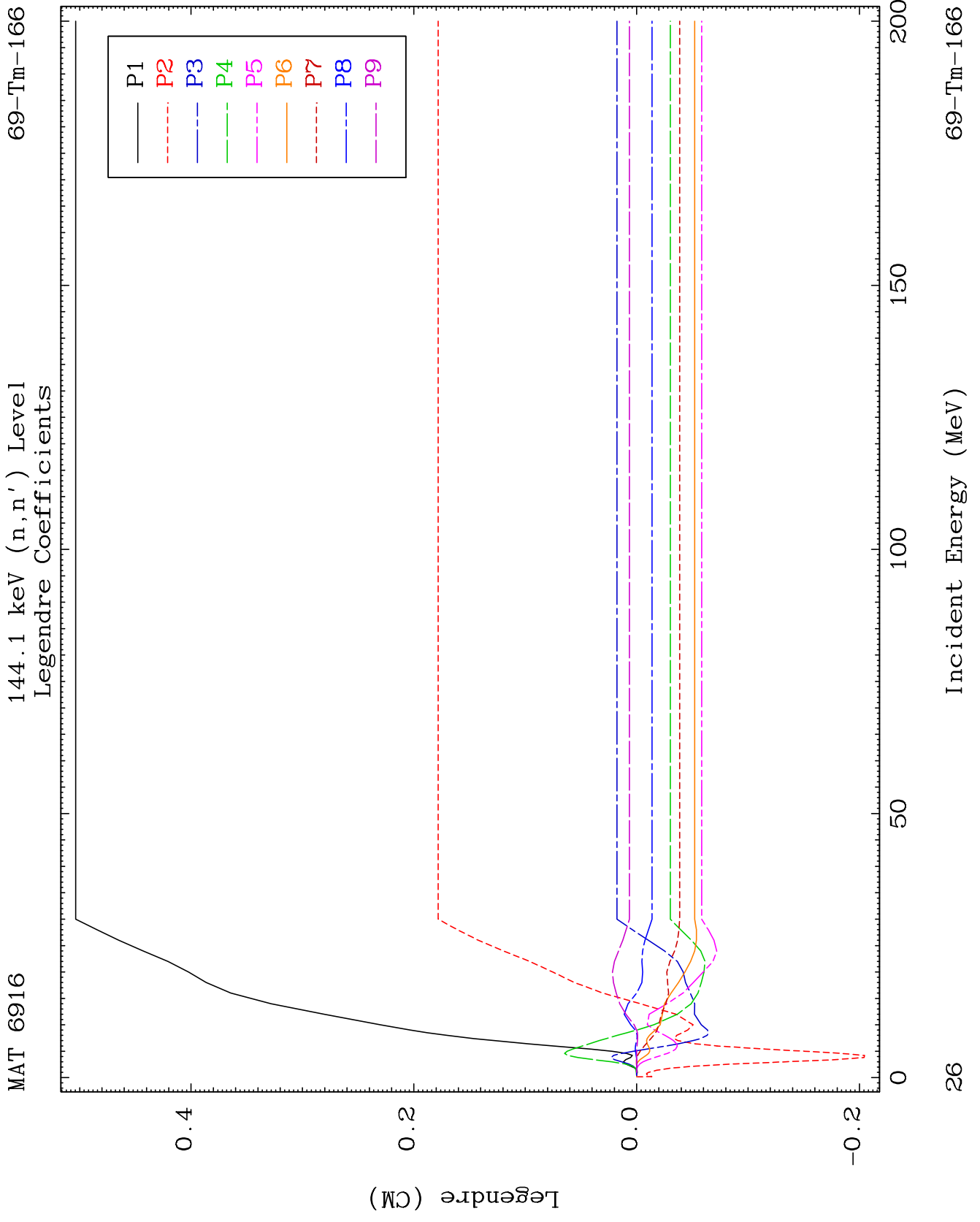








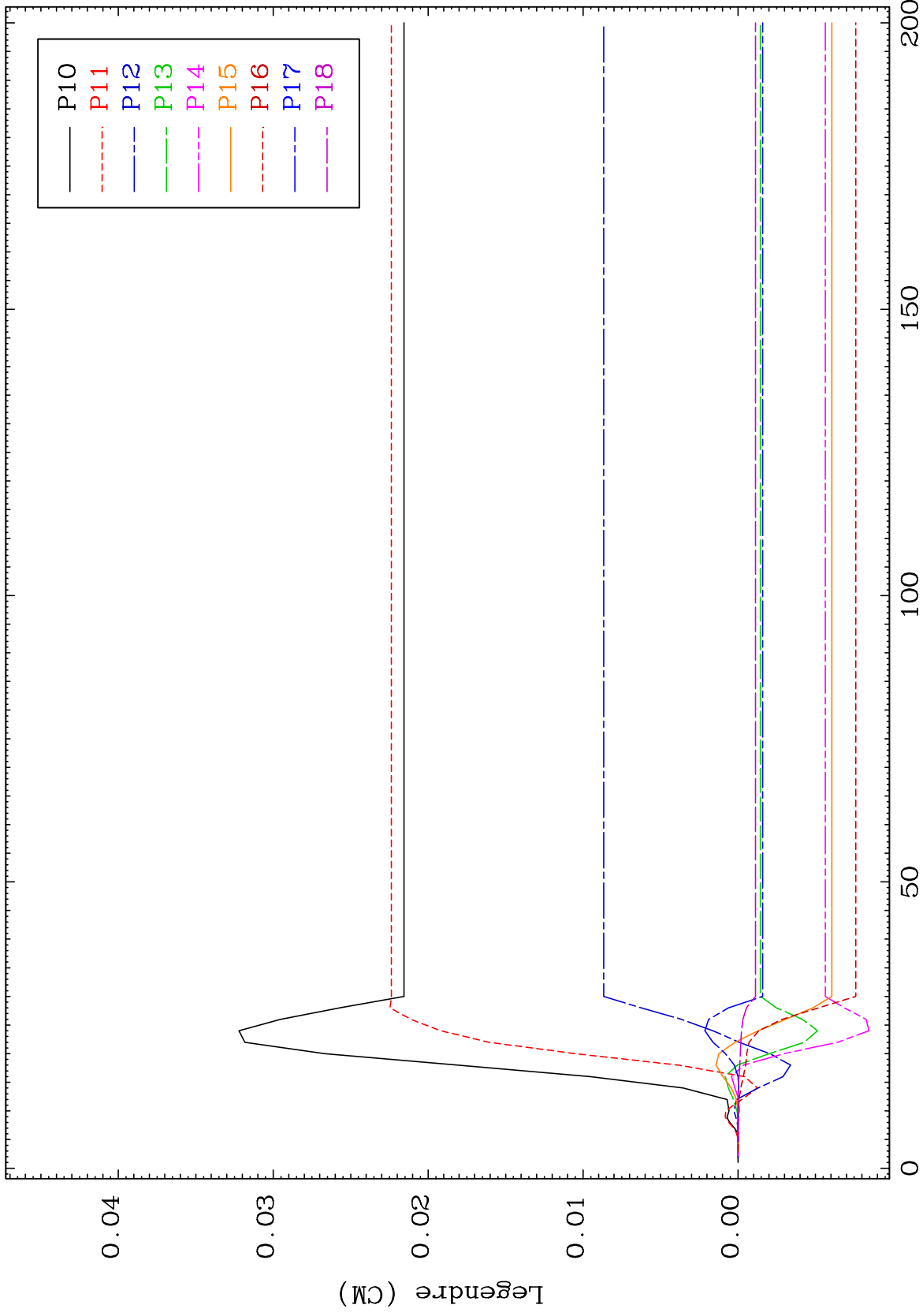




MAT 6916

144.1 keV (n,n') Level
Legendre Coefficients

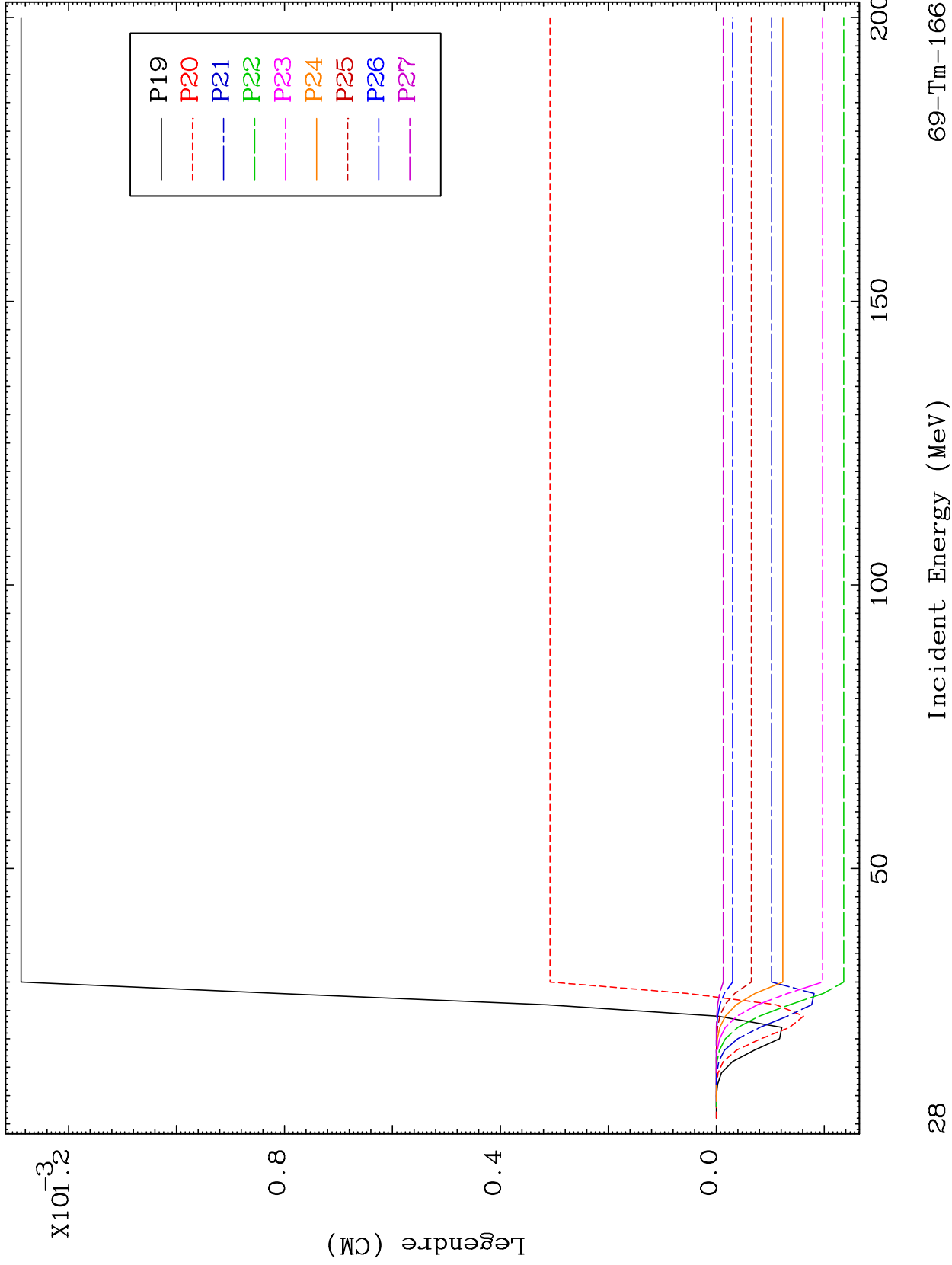
69-Tm-166

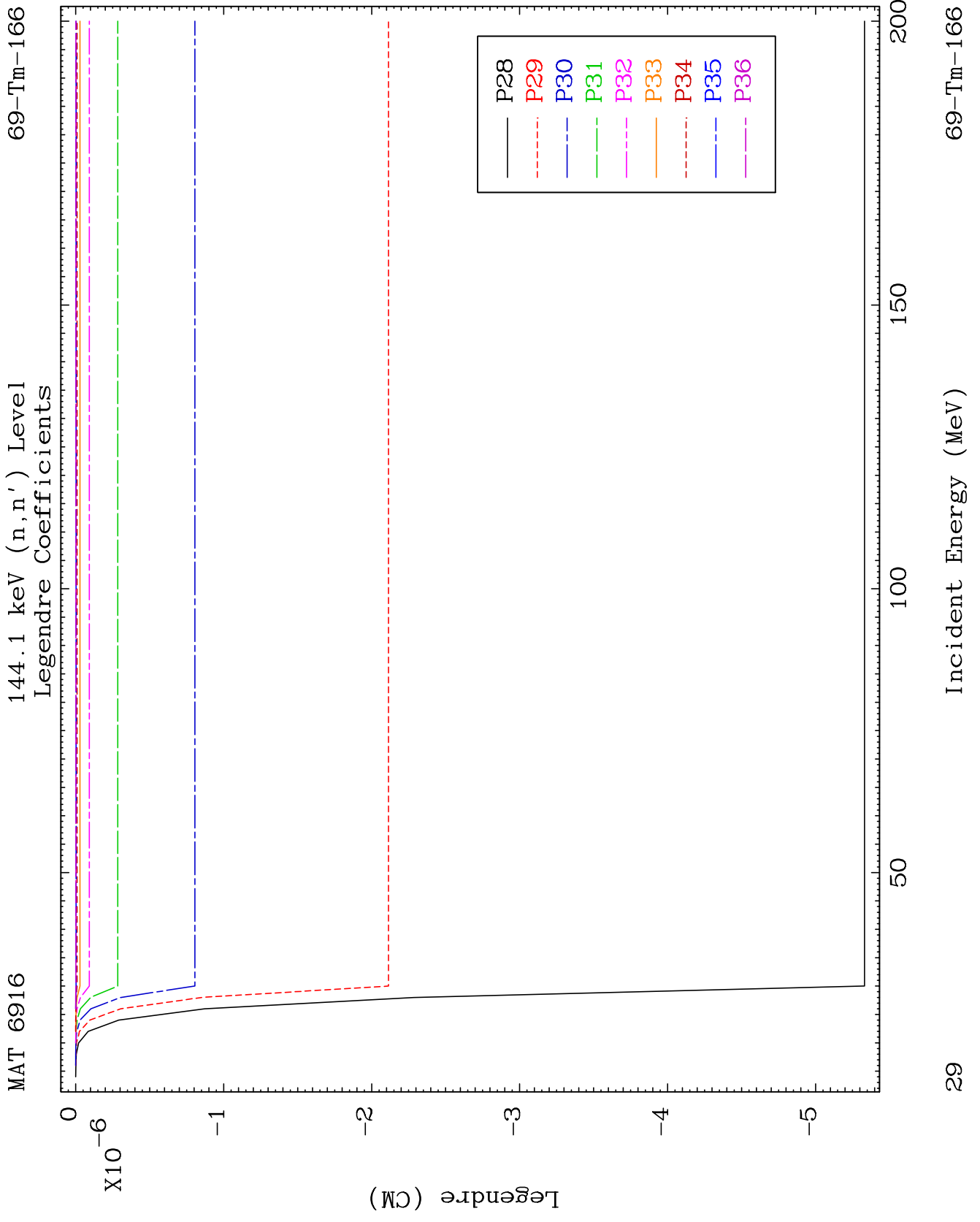


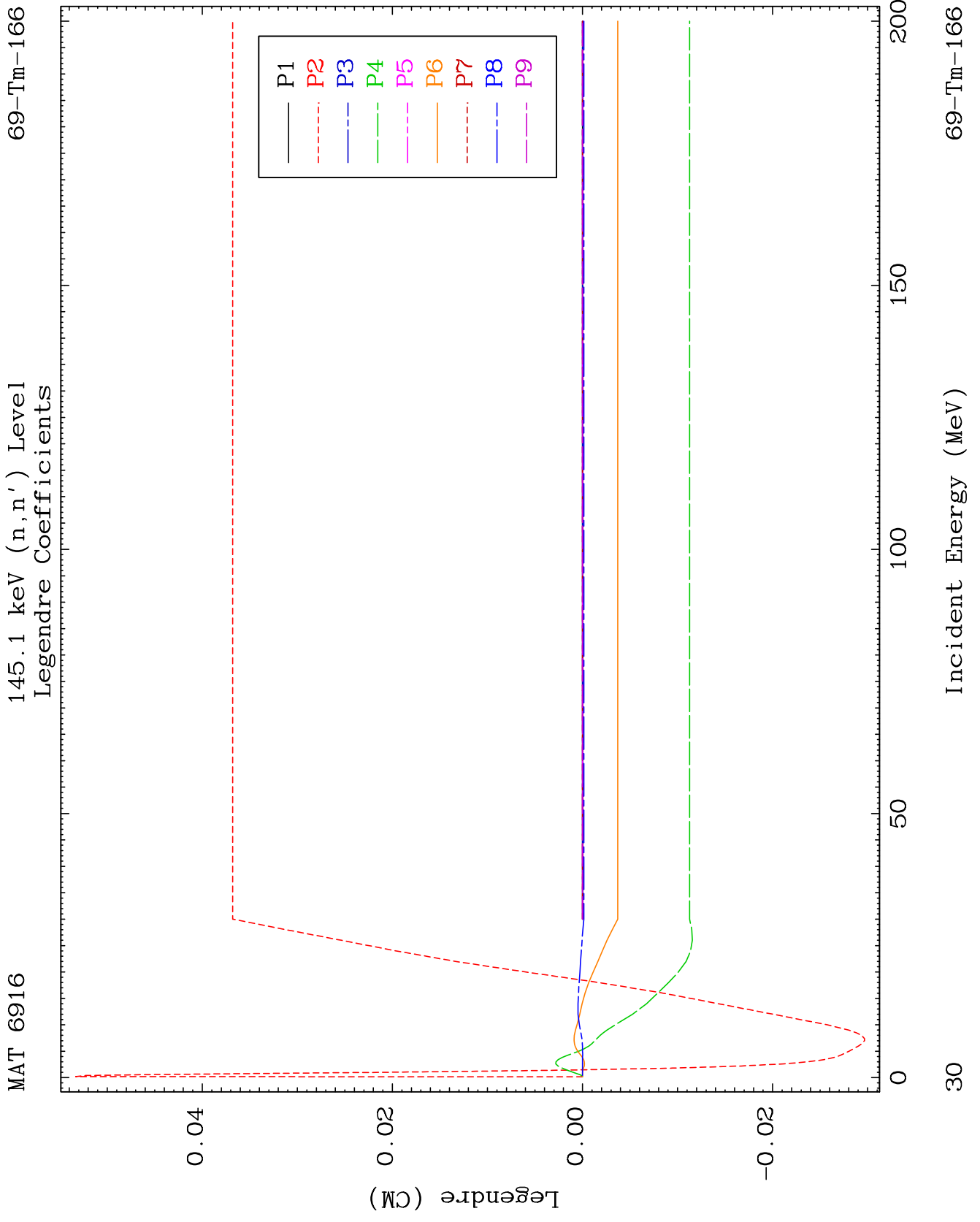
27

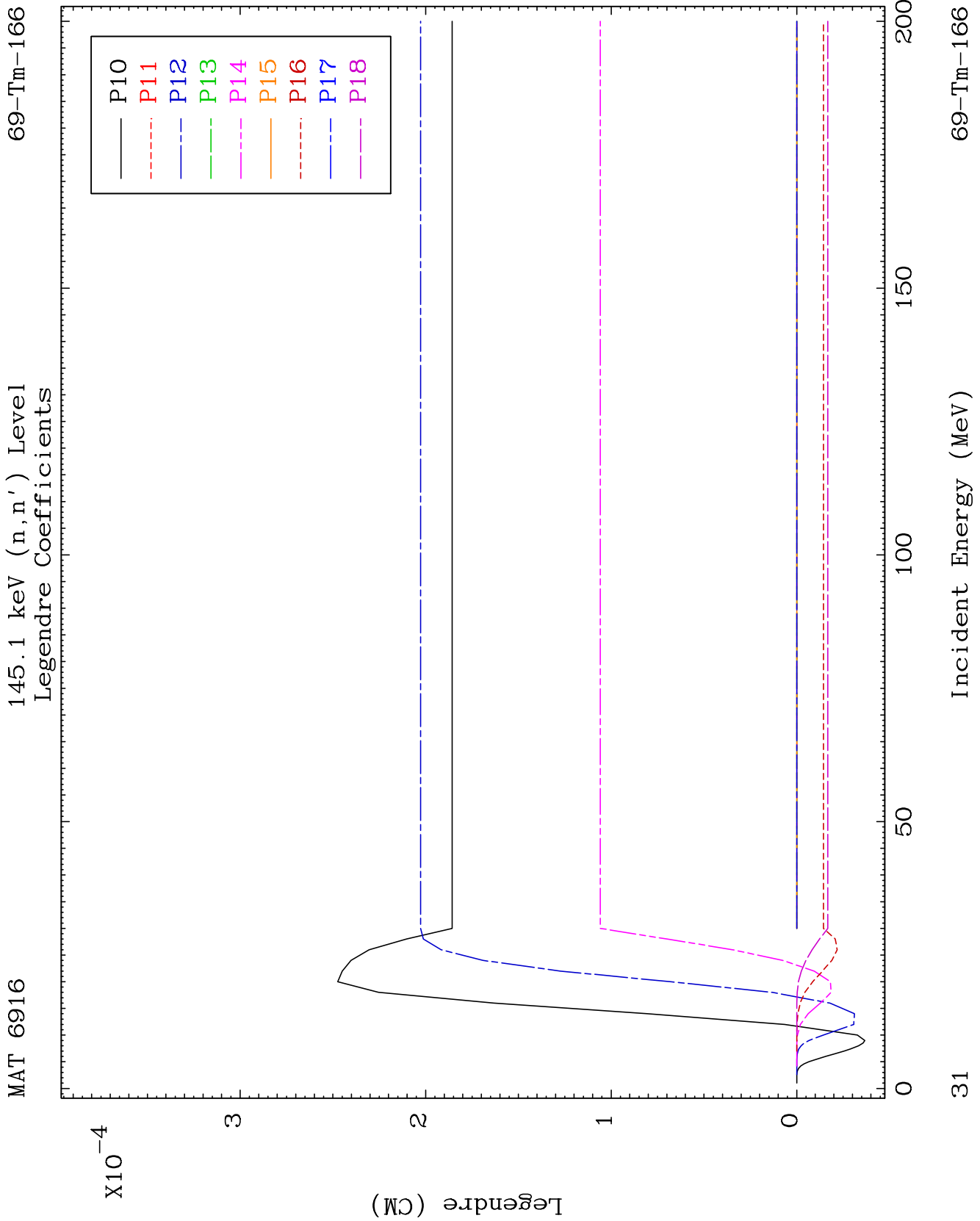
Incident Energy (MeV)

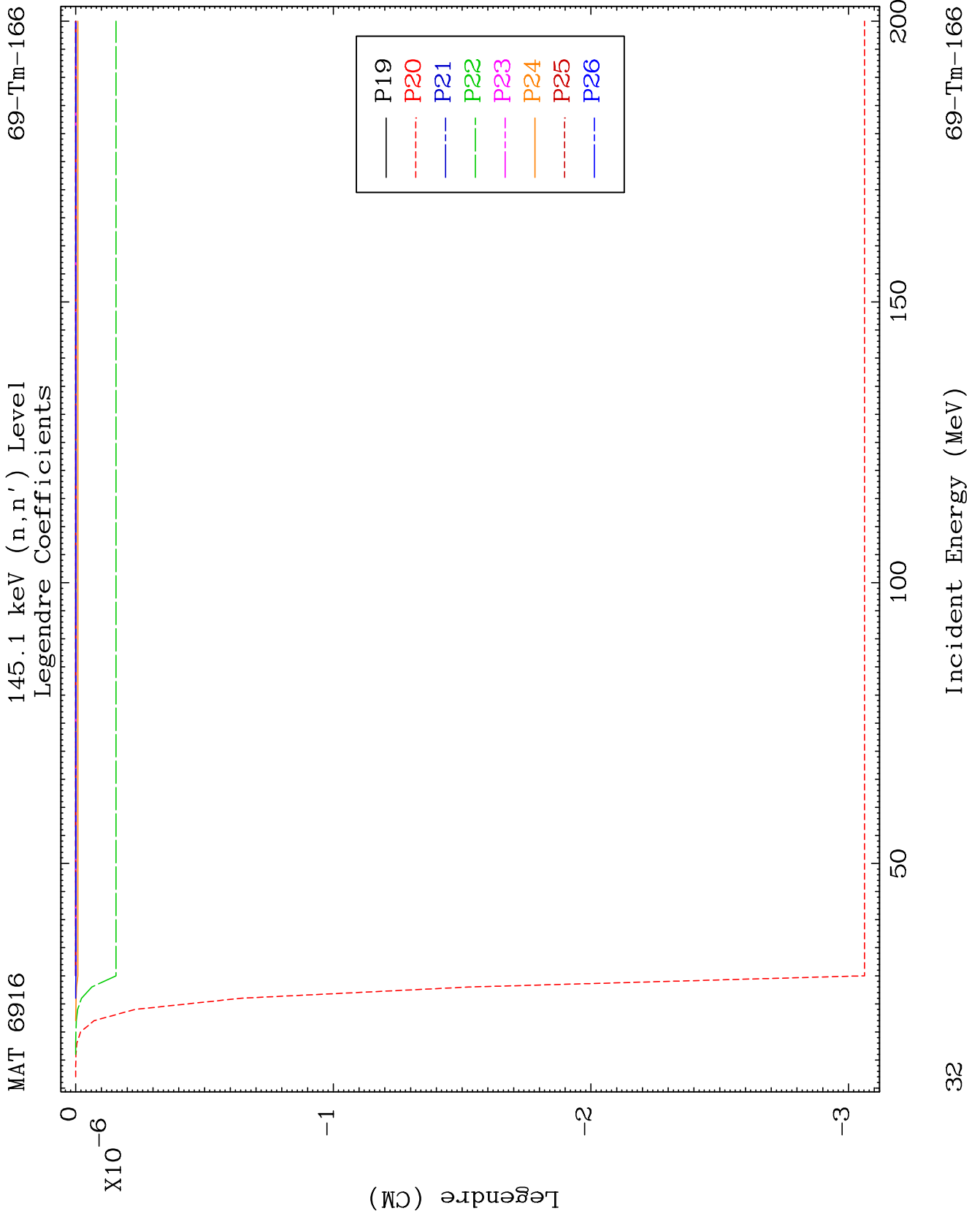
69-Tm-166

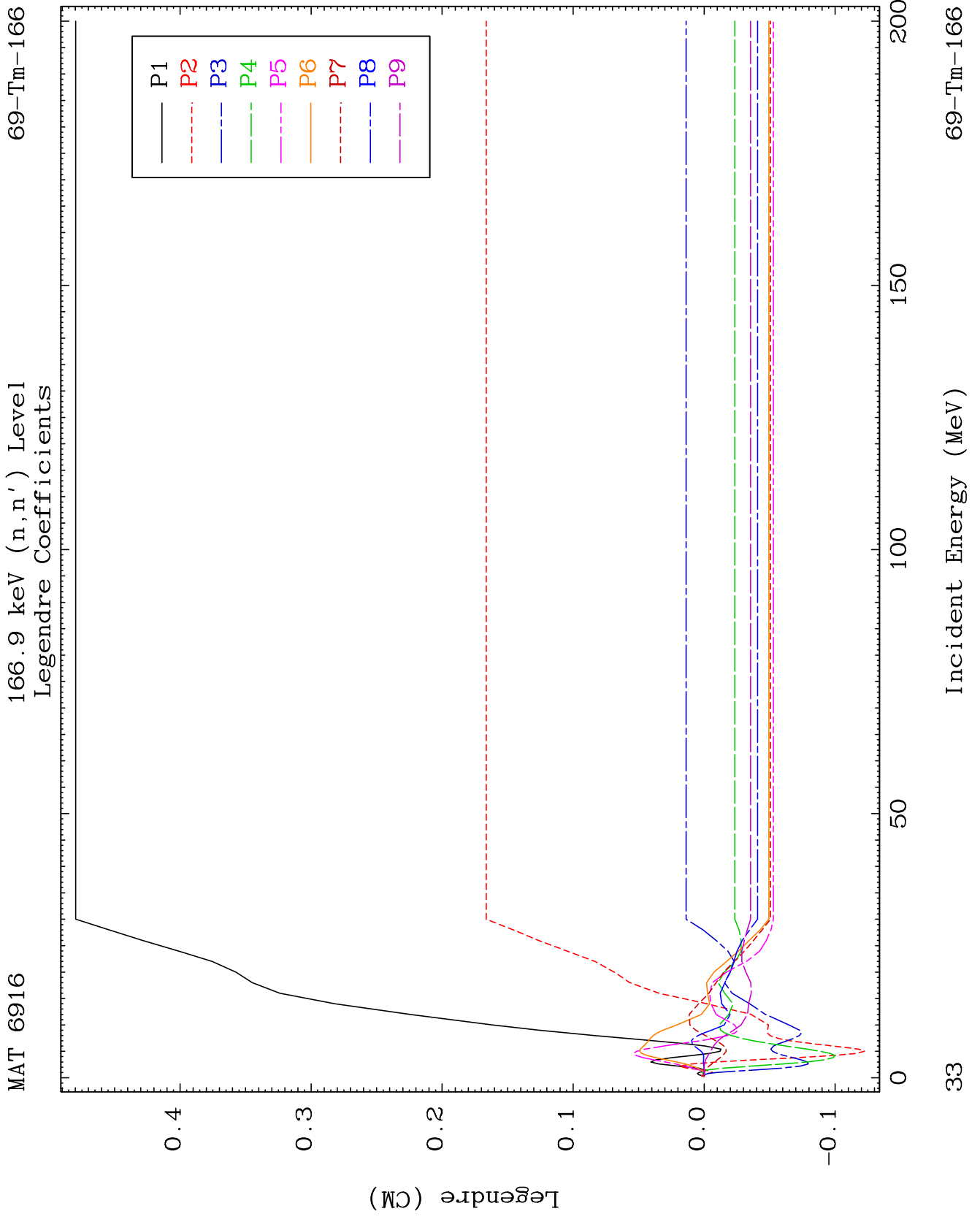








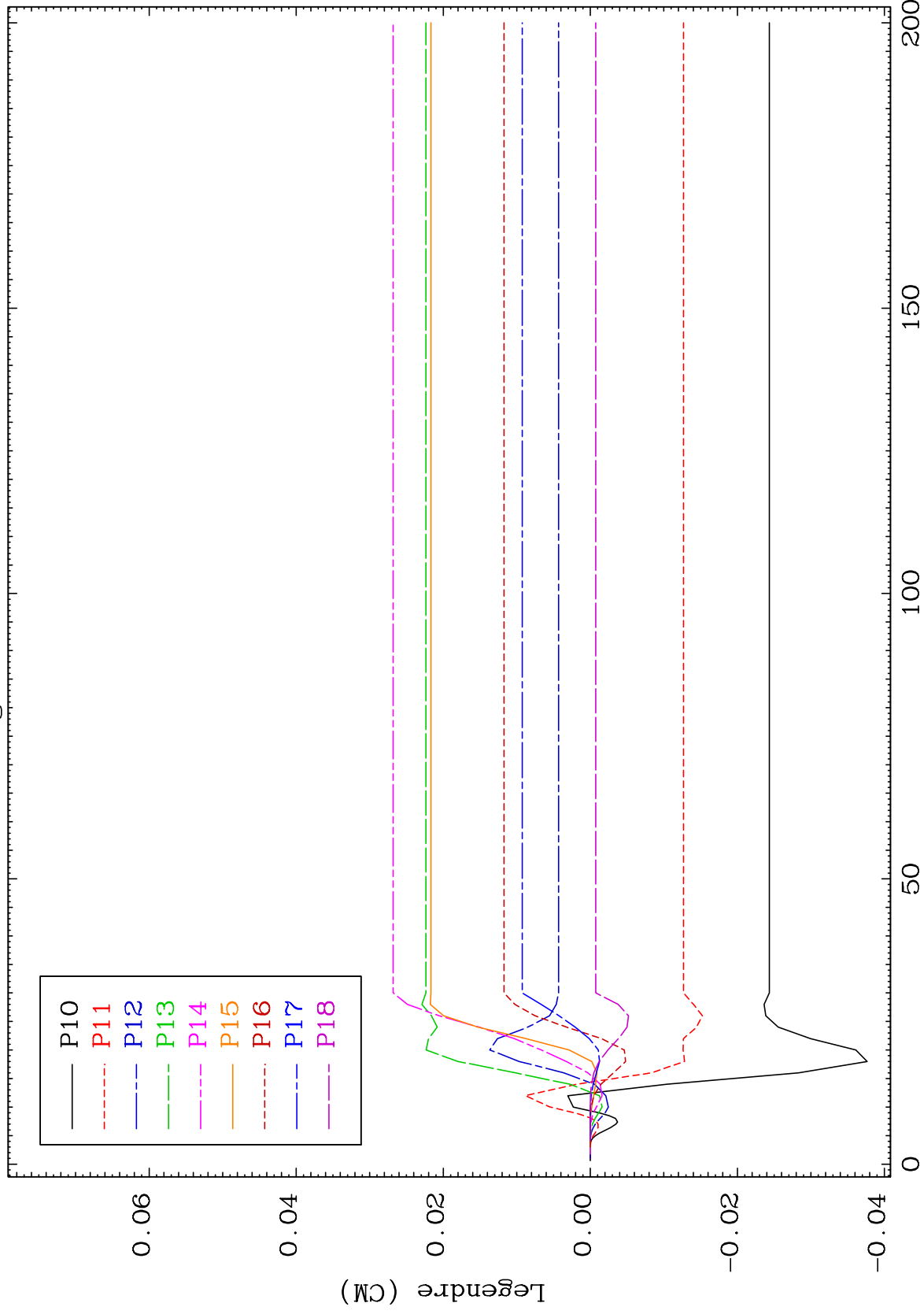




MAT 6916

166.9 keV (n,n') Level
Legendre Coefficients

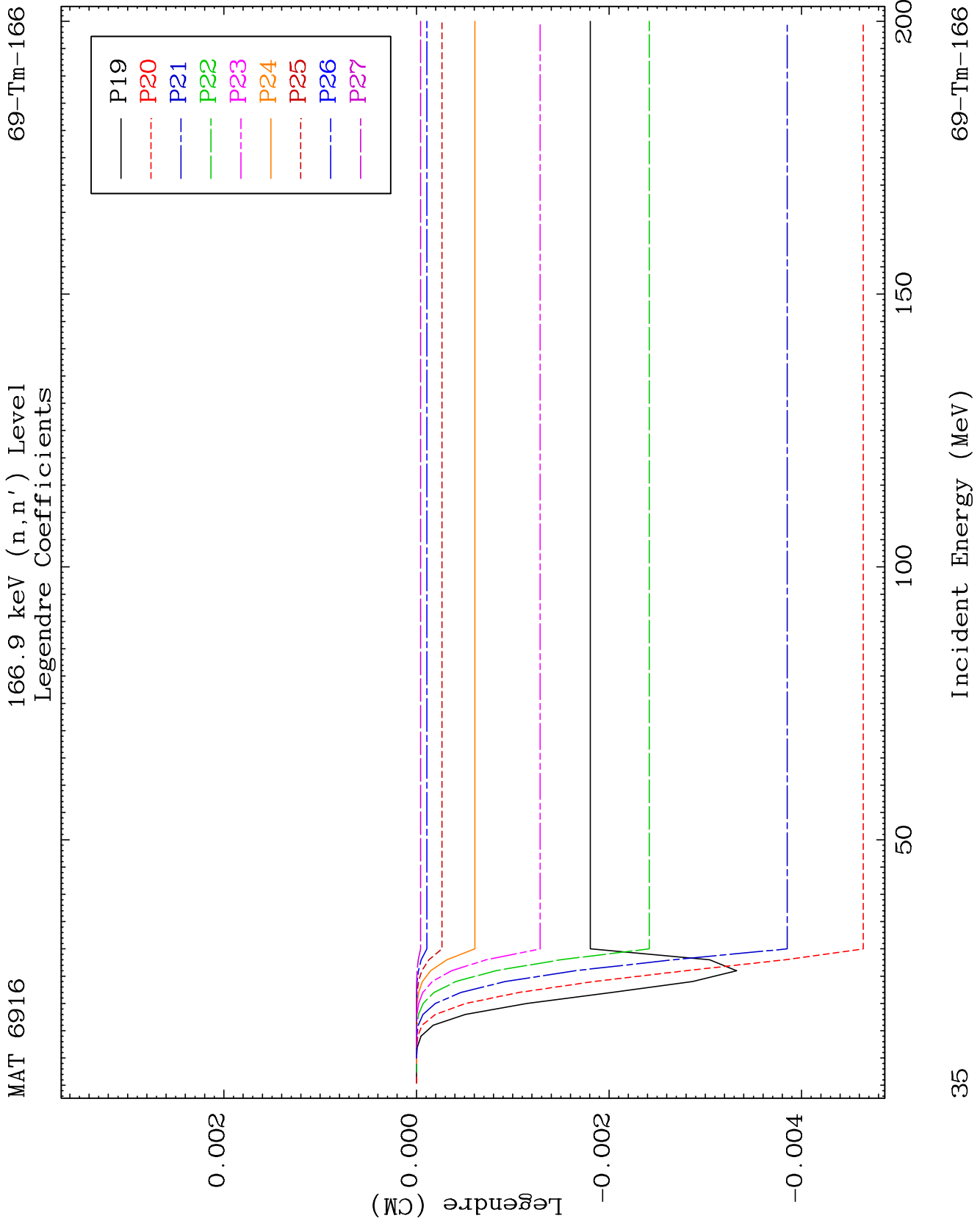
69-Tm-166

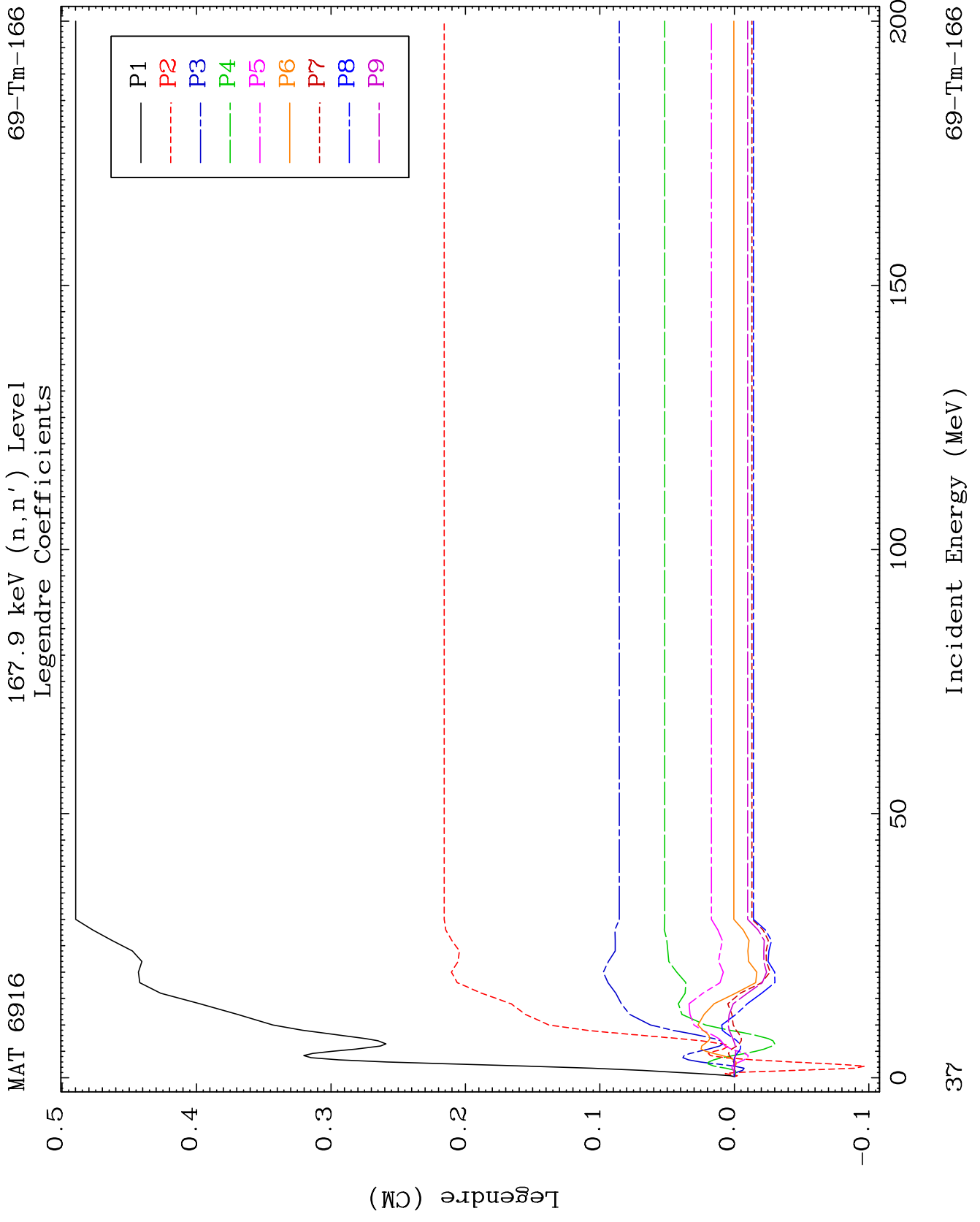


34

Incident Energy (MeV)

69-Tm-166

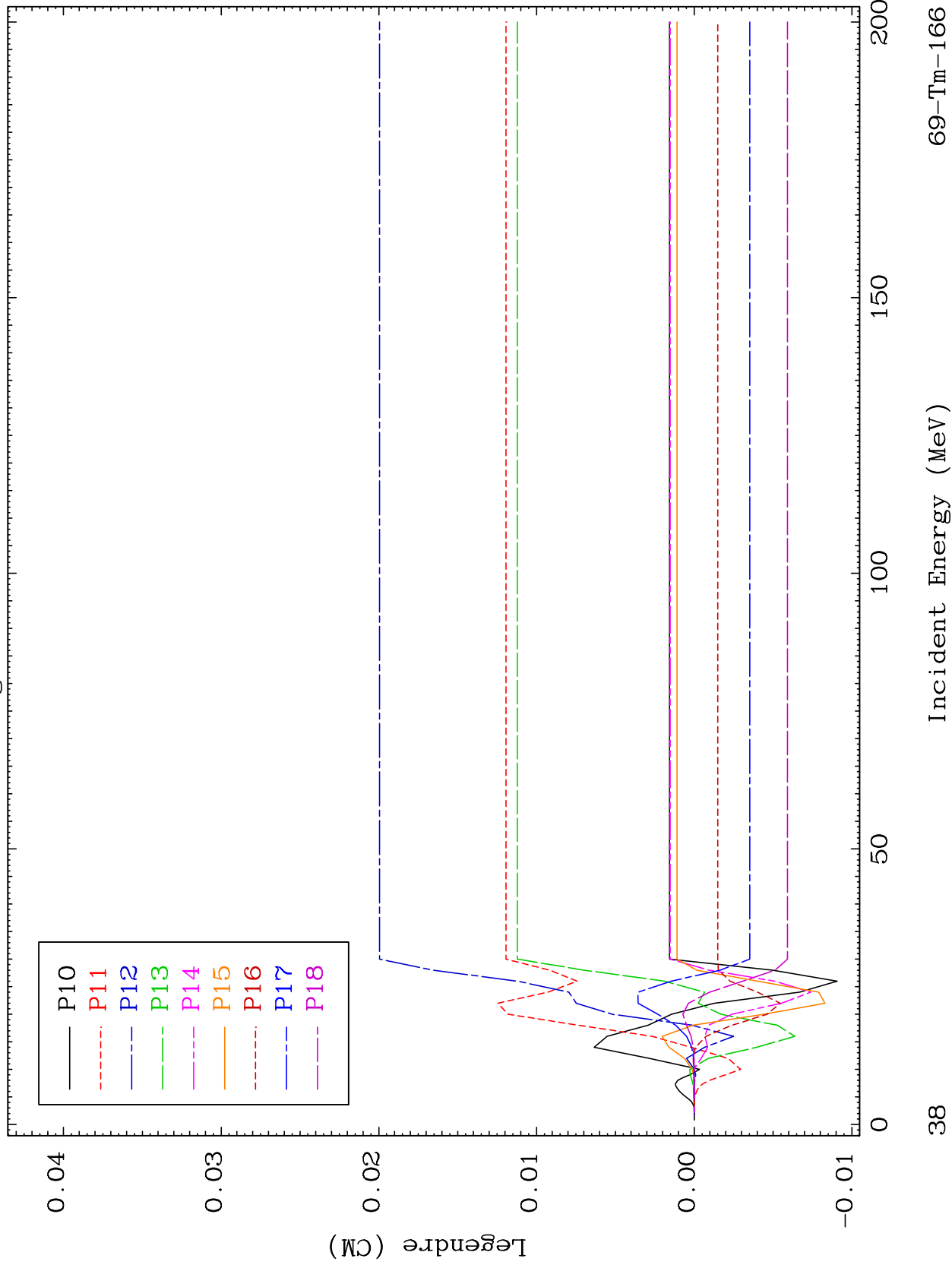




MAT 6916

167.9 keV (n,n') Level
Legendre Coefficients

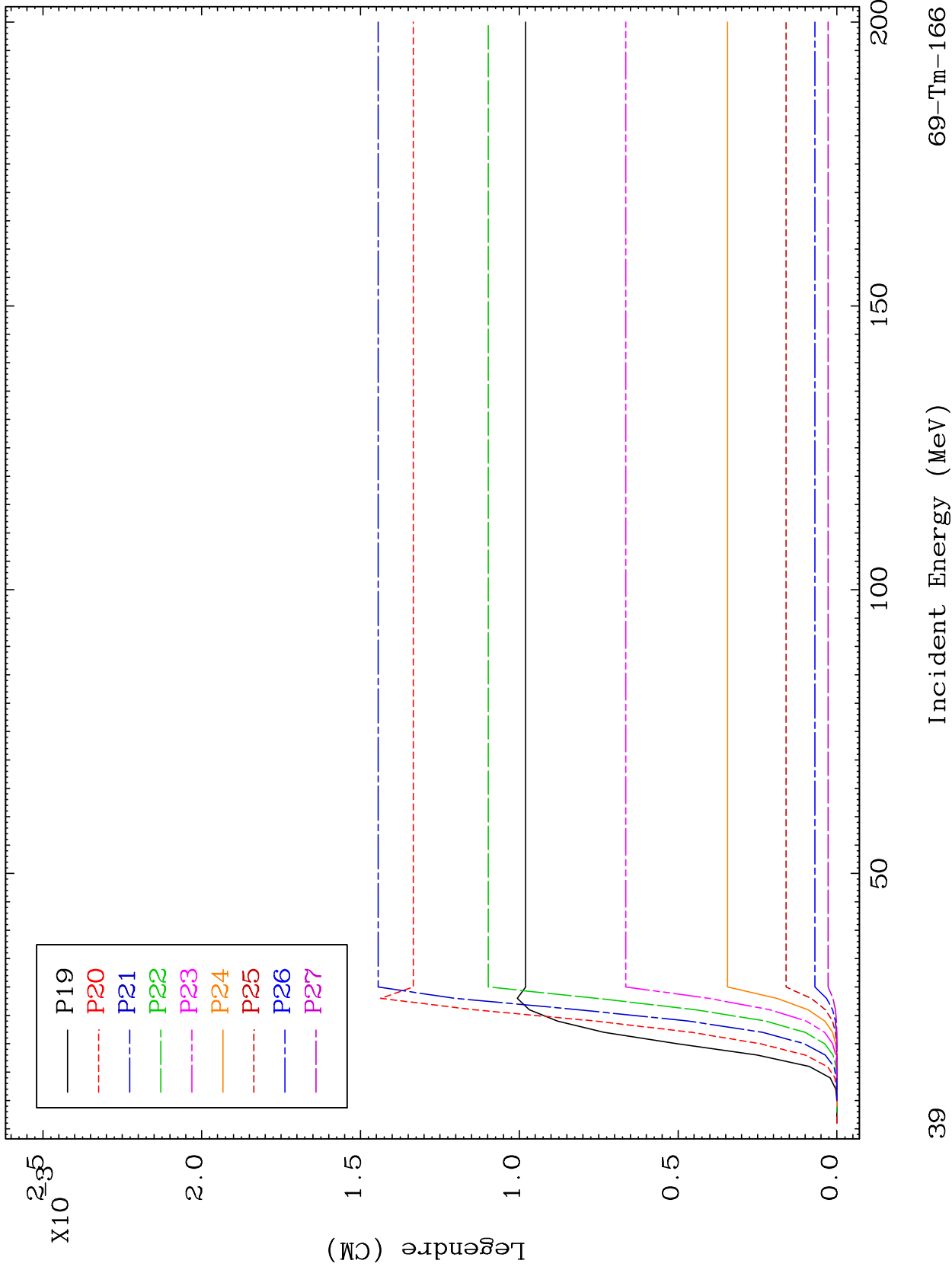
69-Tm-166

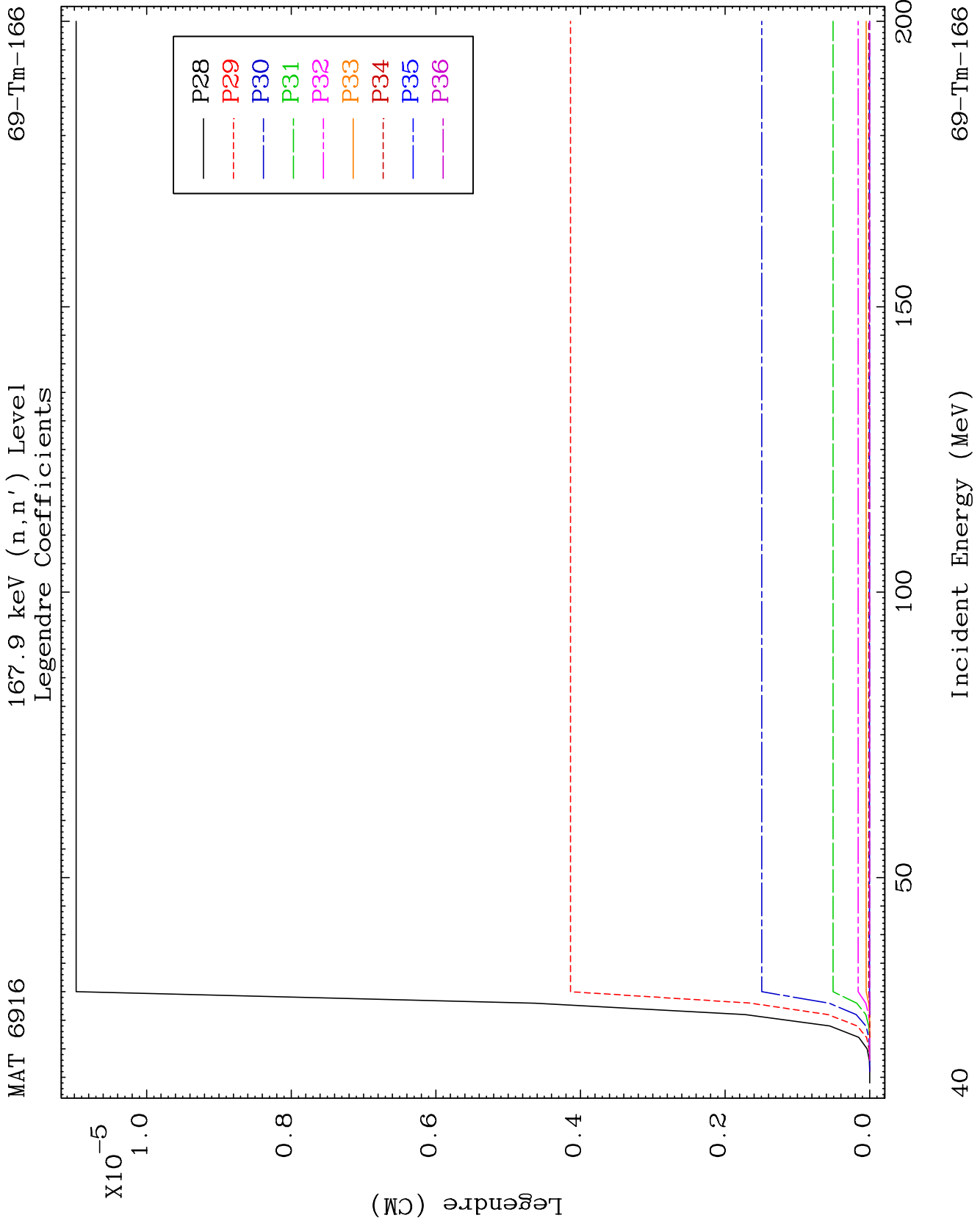


69-Tm-166

Incident Energy (MeV)

38

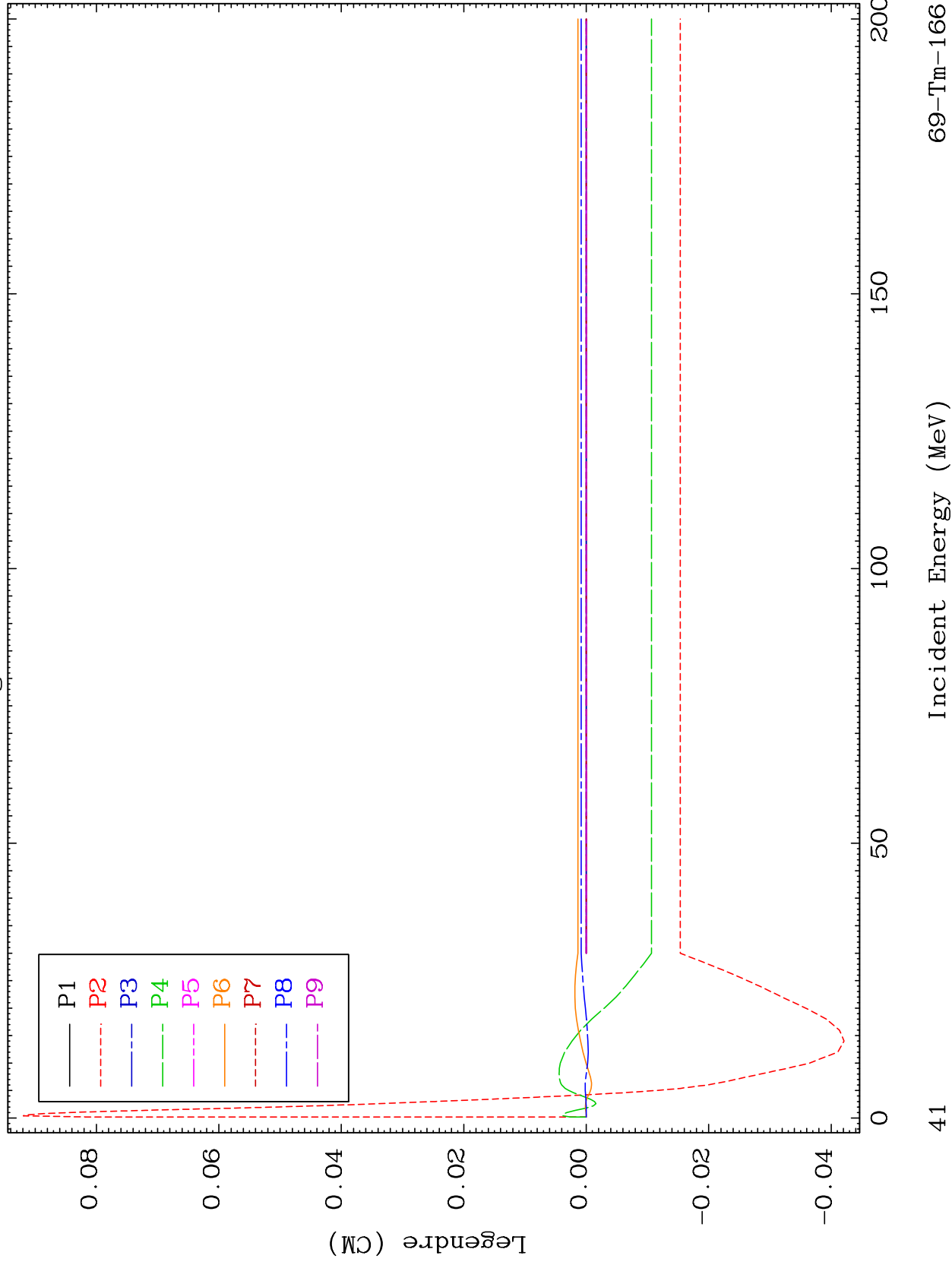




MAT 6916

168.9 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

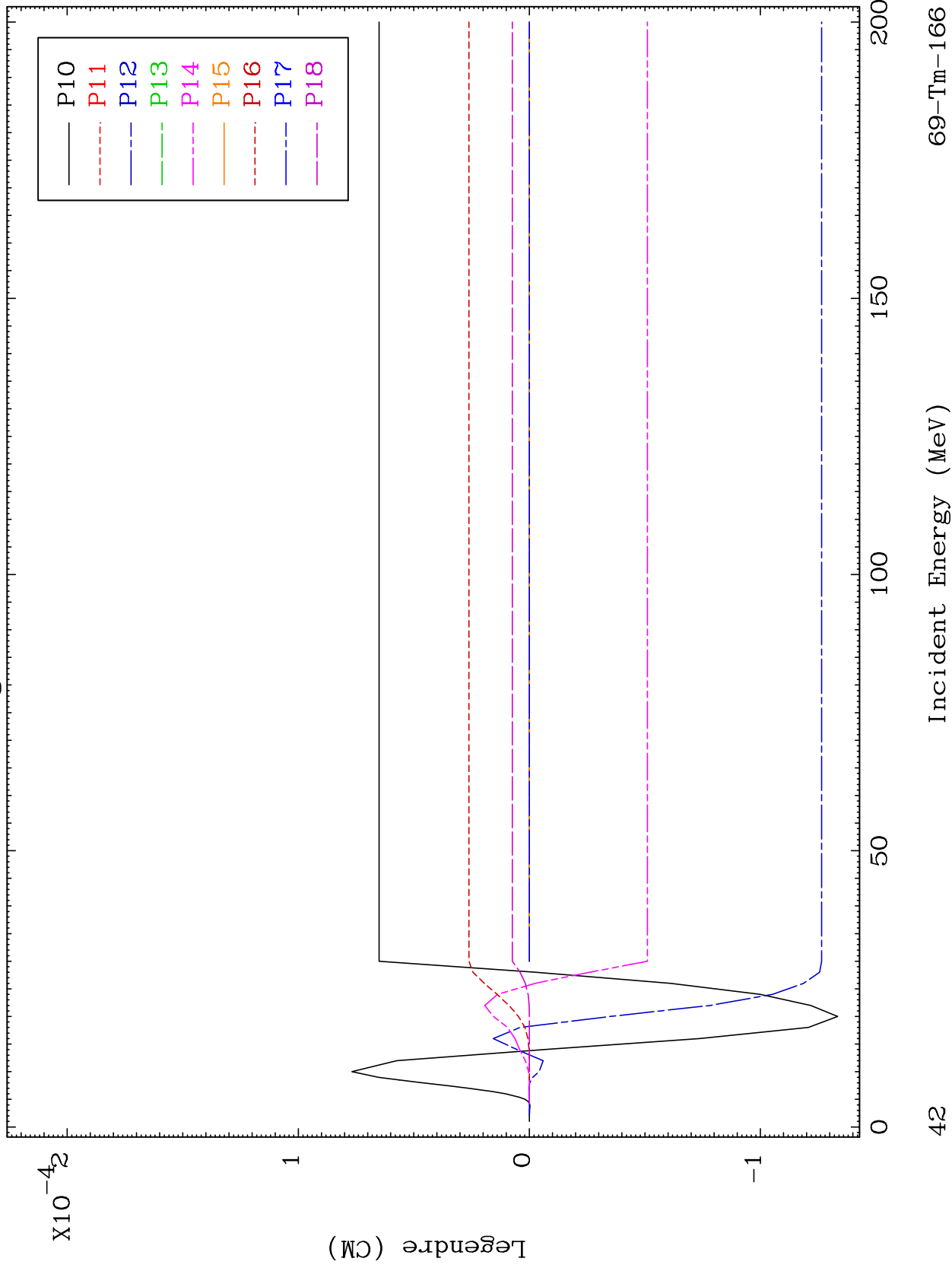
Incident Energy (MeV)

41

MAT 6916

168.9 keV (n,n') Level
Legendre Coefficients

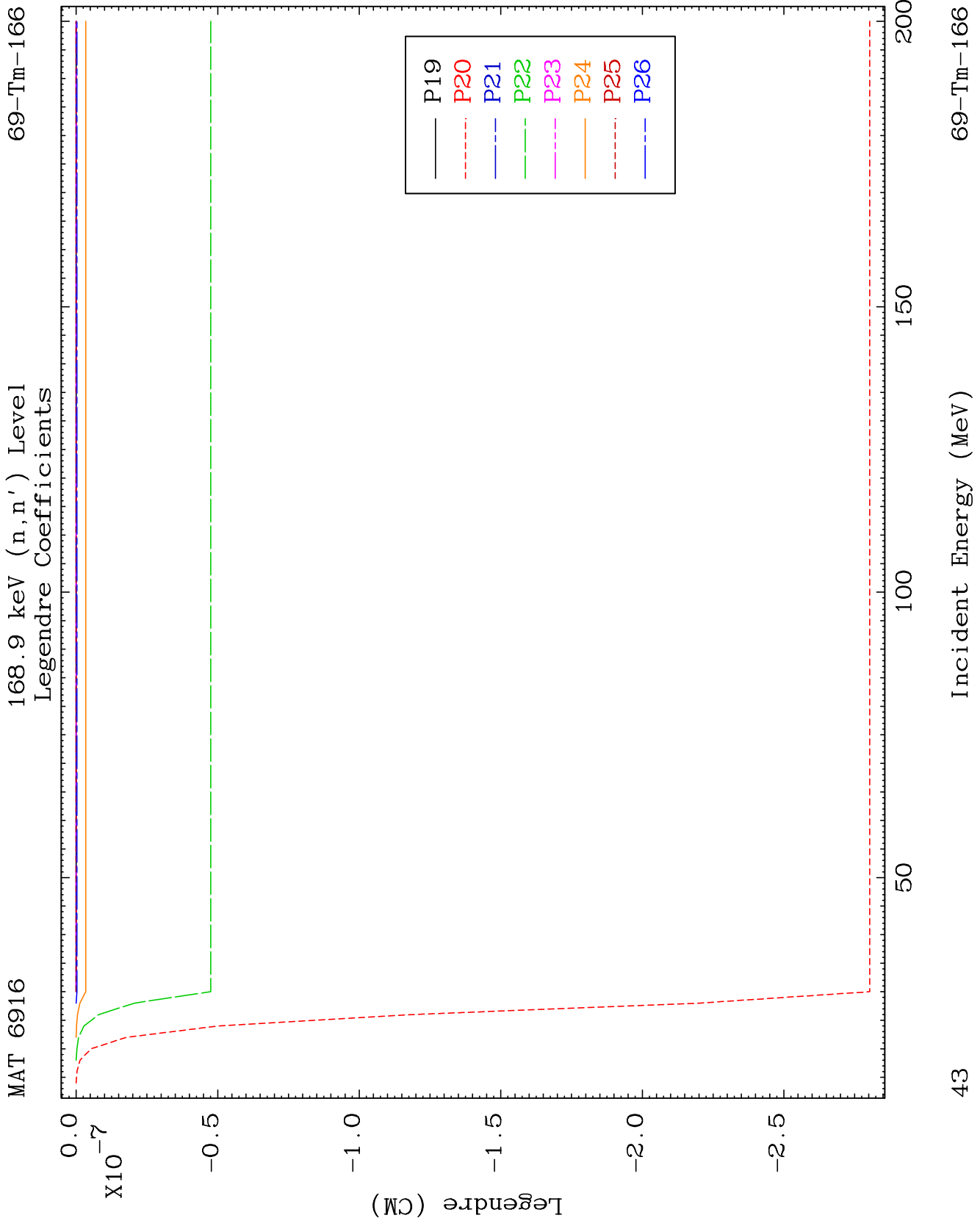
69-Tm-166

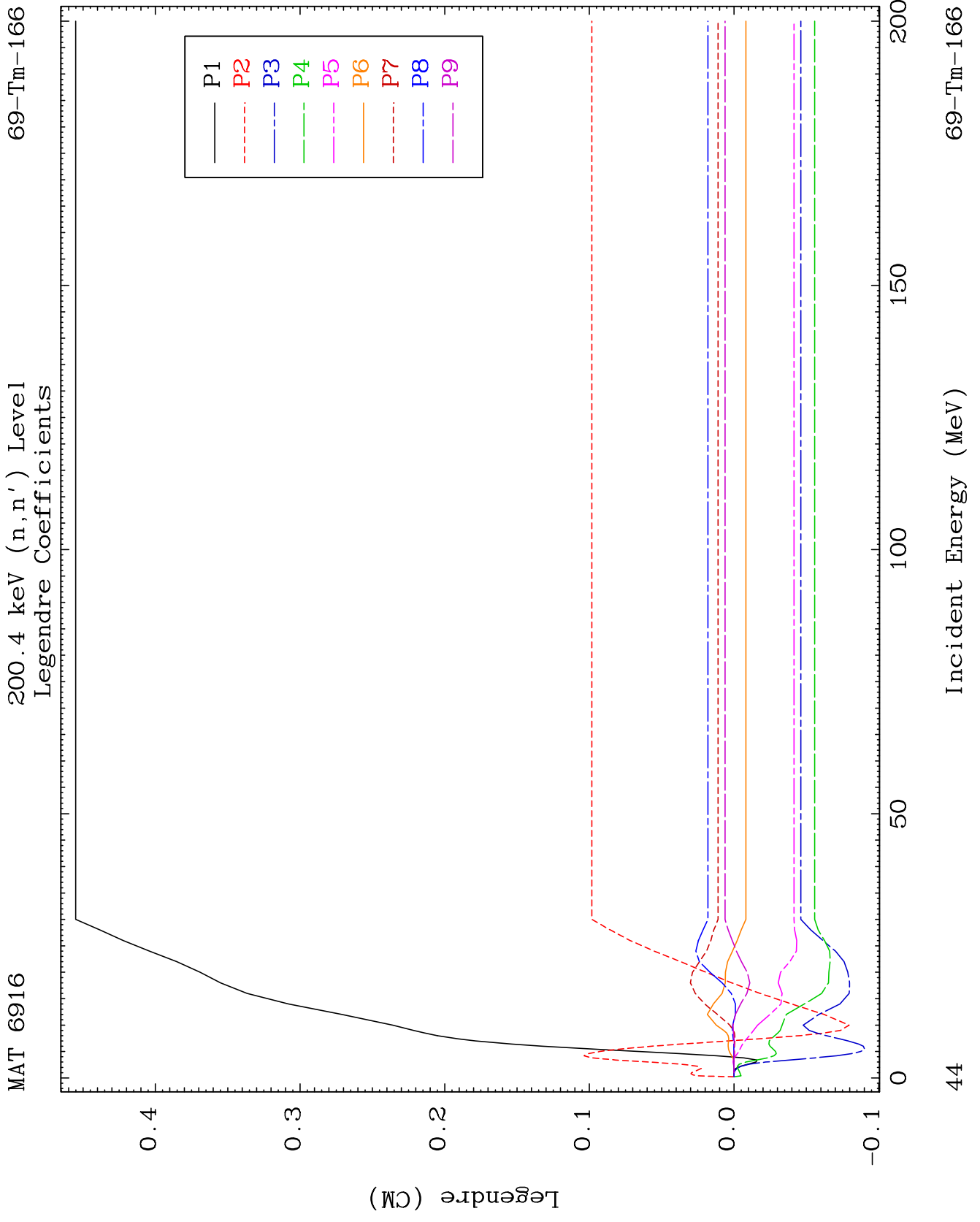


42

Incident Energy (MeV)

69-Tm-166

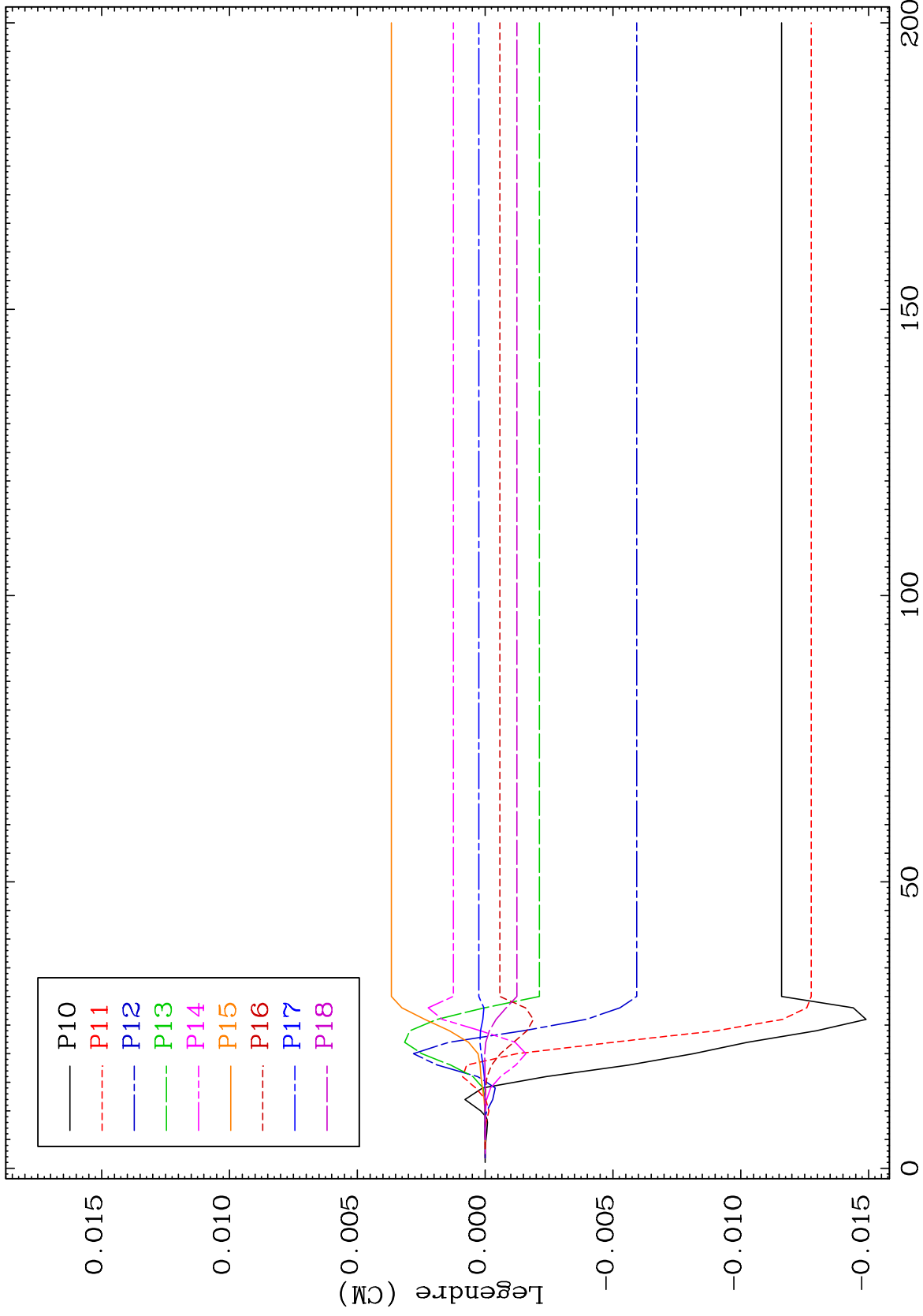




MAT 6916

200.4 keV (n,n') Level
Legendre Coefficients

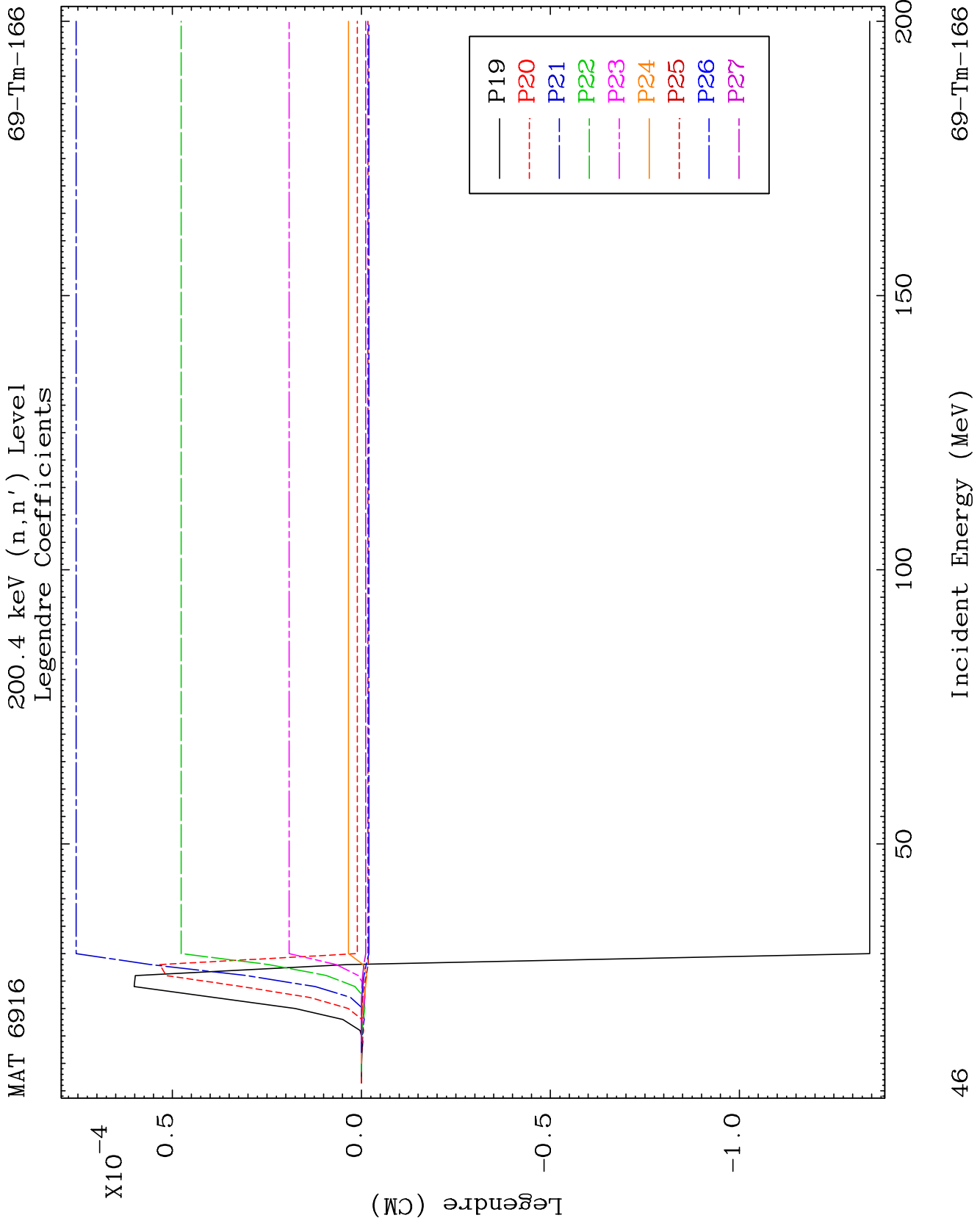
69-Tm-166



45

Incident Energy (MeV)

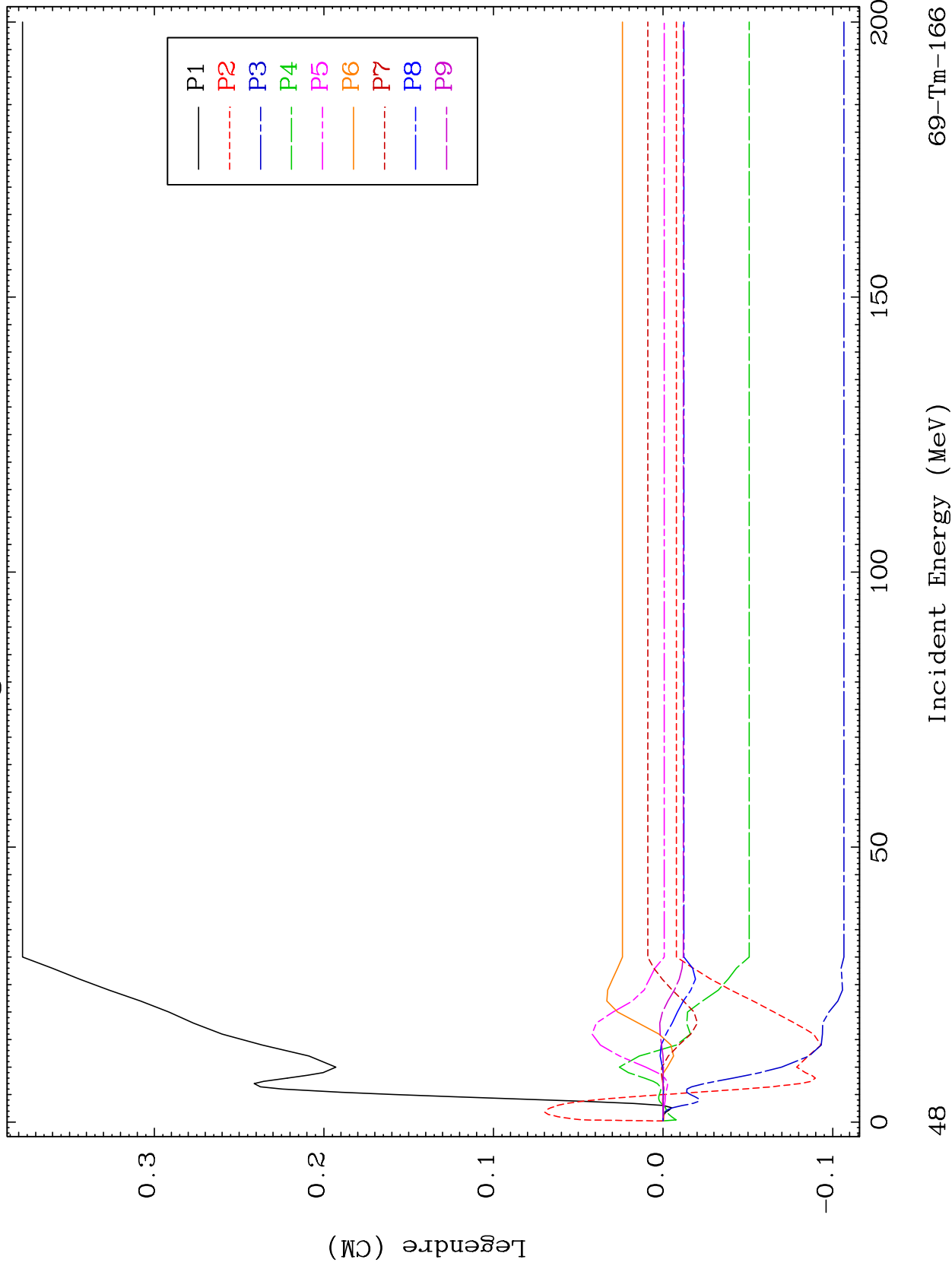
69-Tm-166



MAT 6916

201.4 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

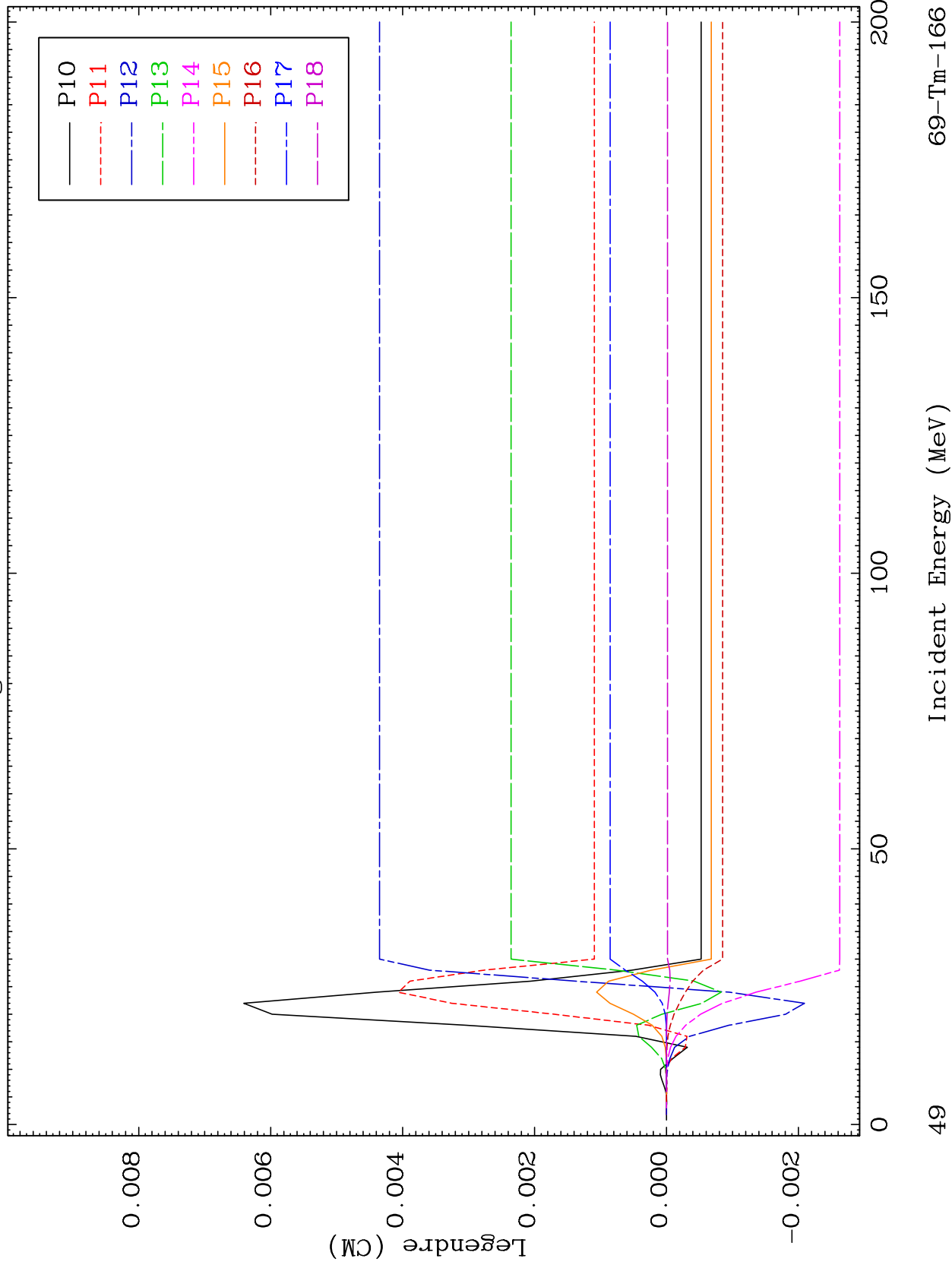
Incident Energy (MeV)

48

MAT 6916

201.4 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

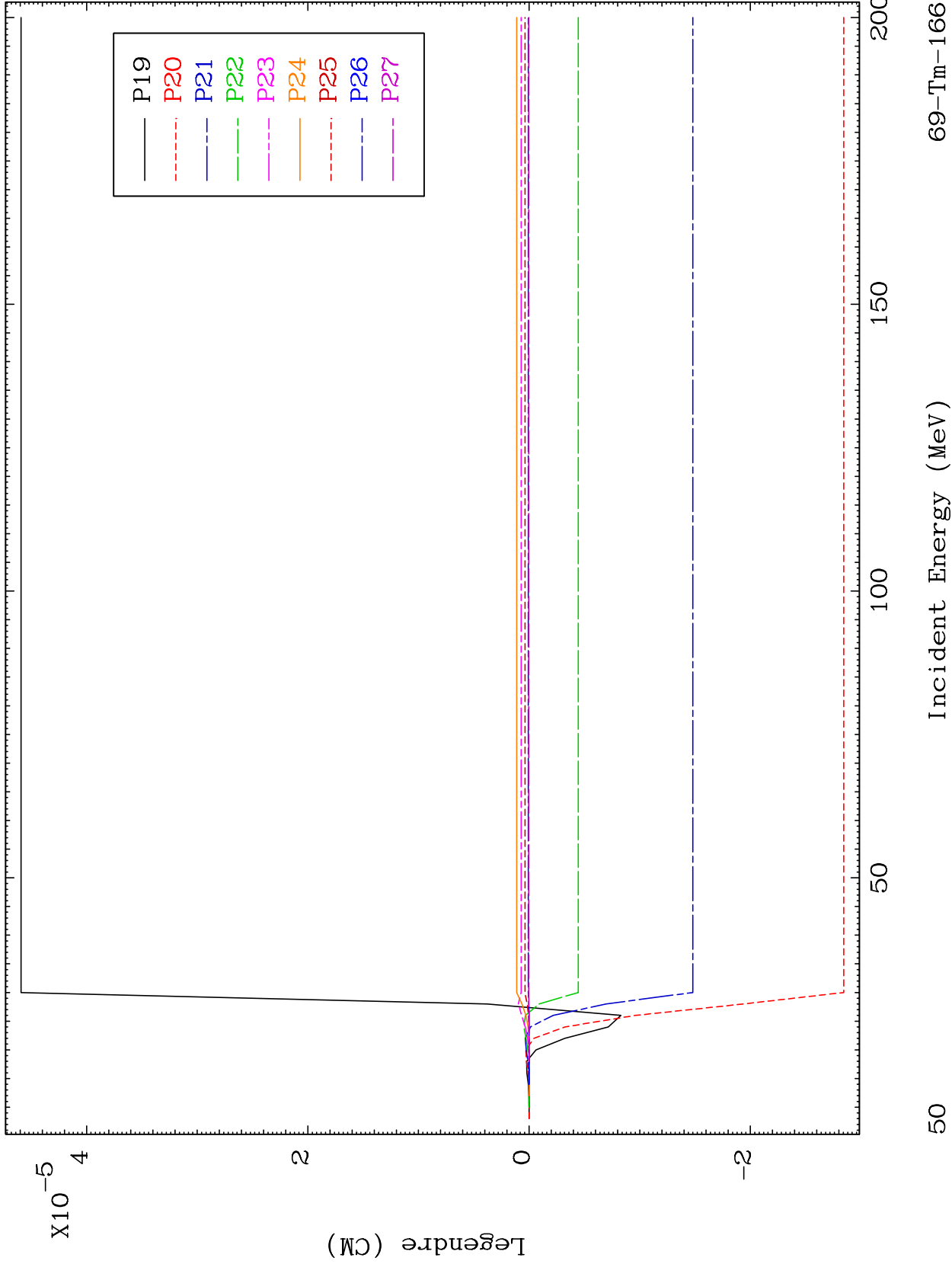
Incident Energy (MeV)

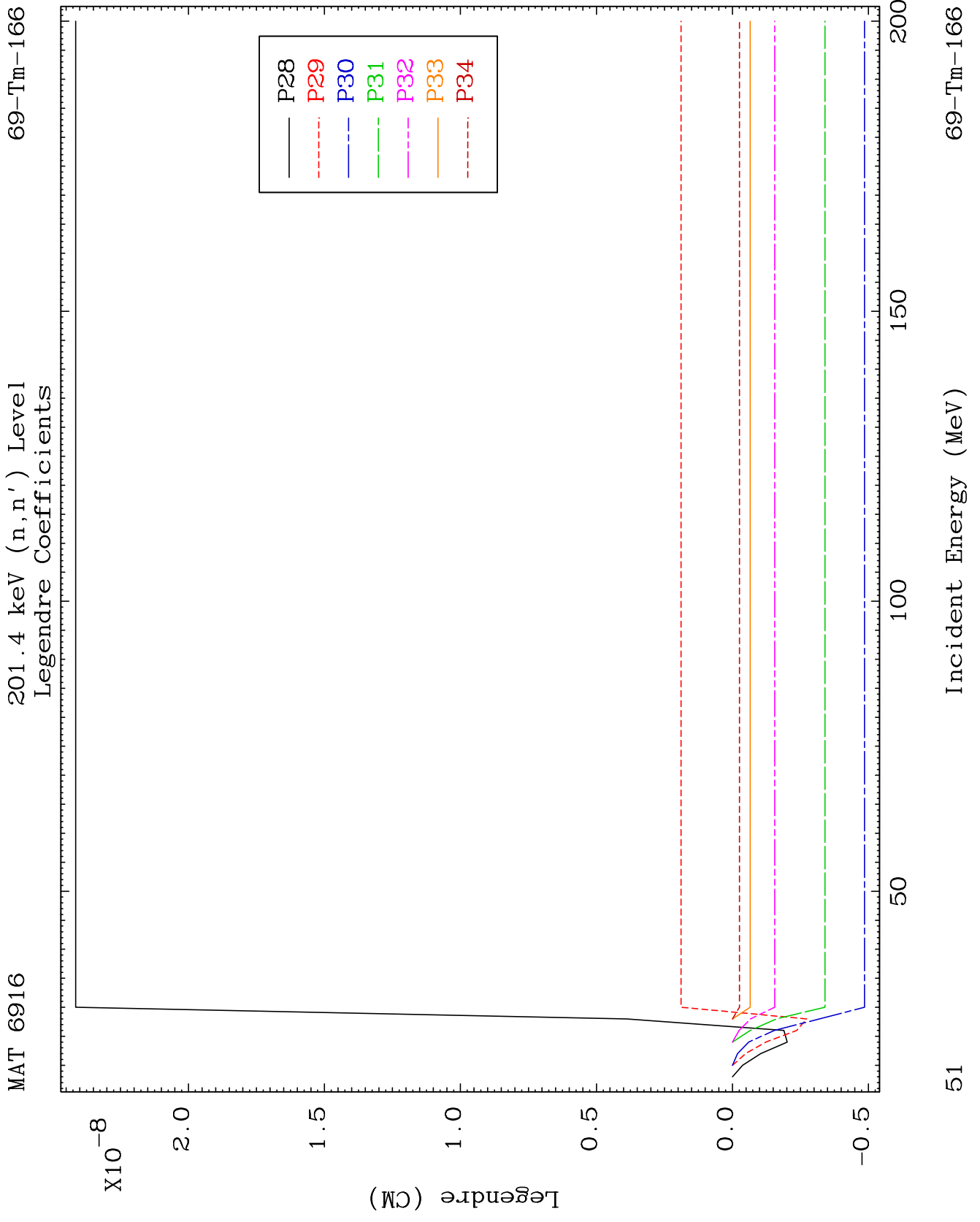
49

MAT 6916

201.4 keV (n,n') Level
Legendre Coefficients

69-Tm-166

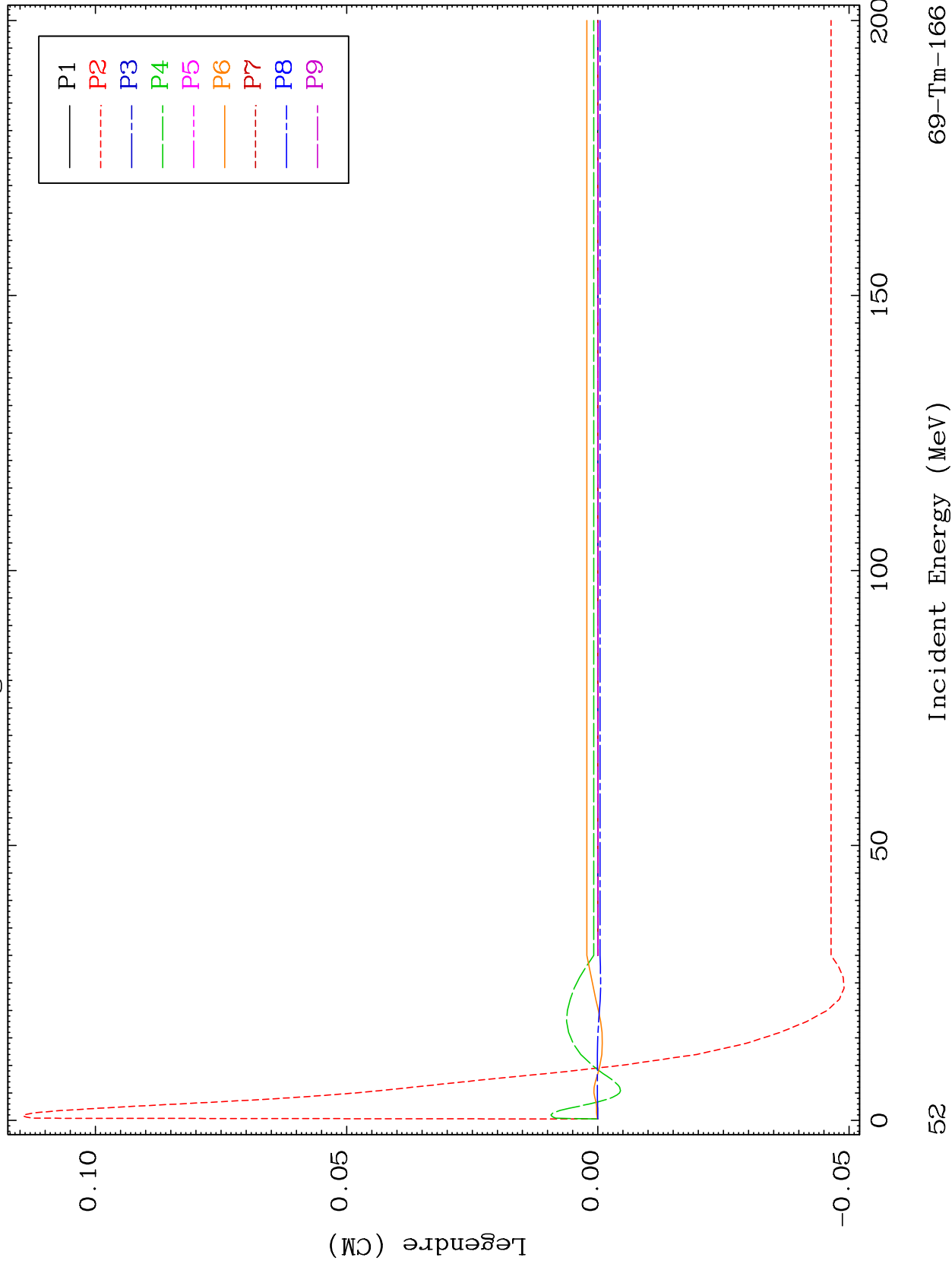




MAT 6916

250.4 keV (n,n') Level
Legendre Coefficients

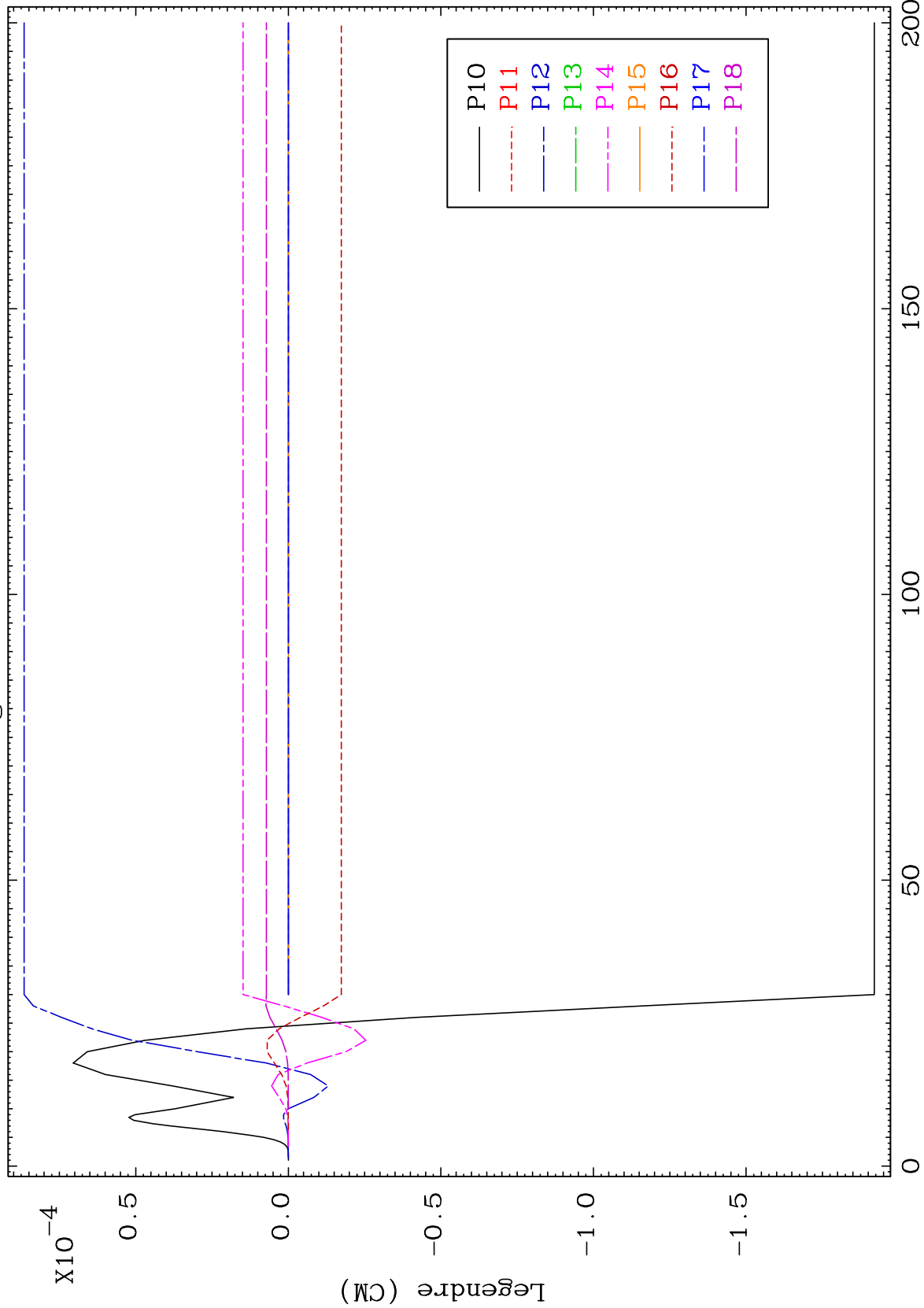
69-Tm-166

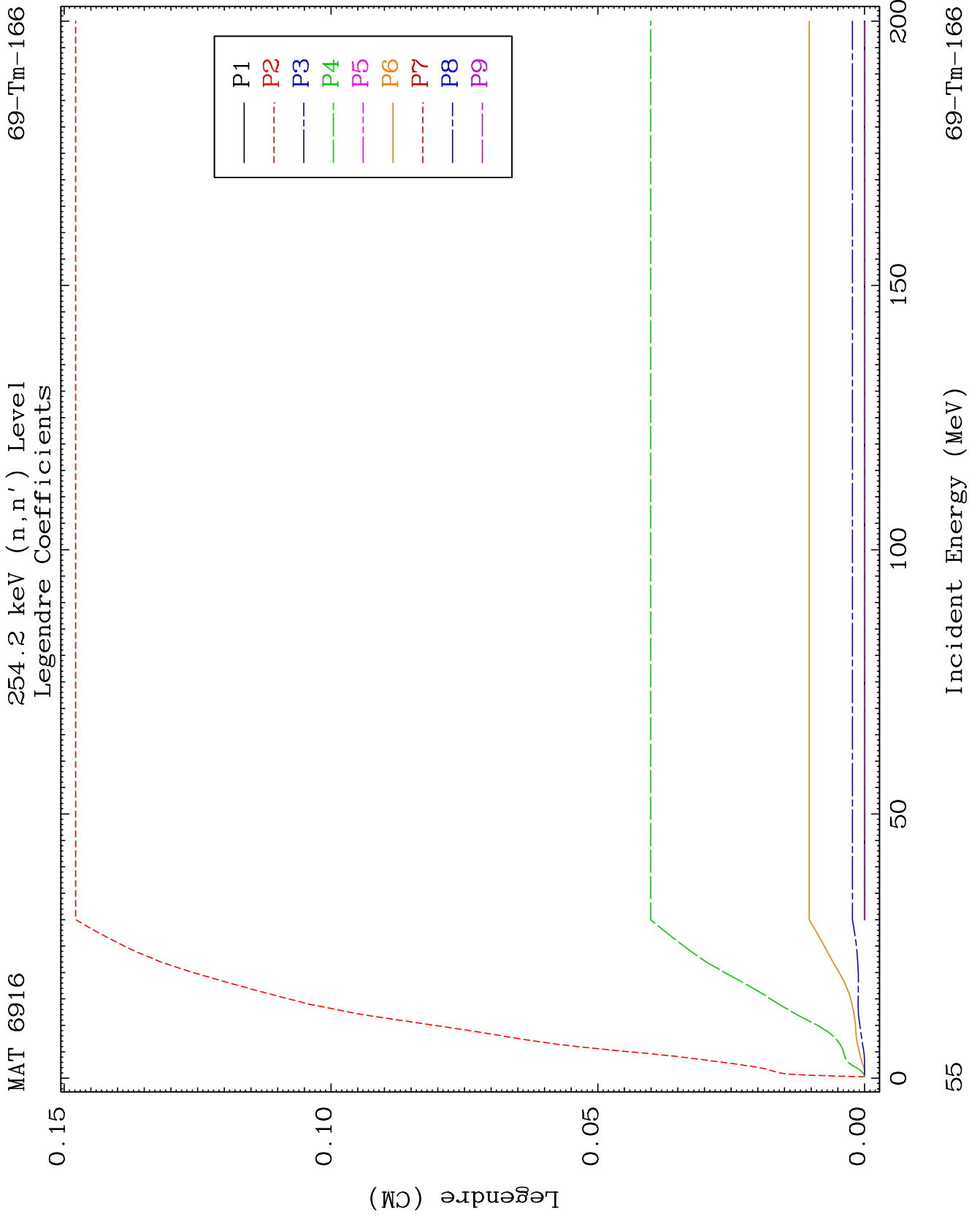


52

Incident Energy (MeV)

69-Tm-166



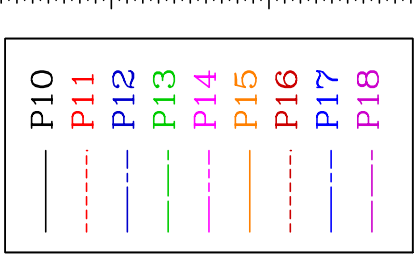


MAT 6916

254.2 keV (n,n') Level
Legendre Coefficients

69-Tm-166

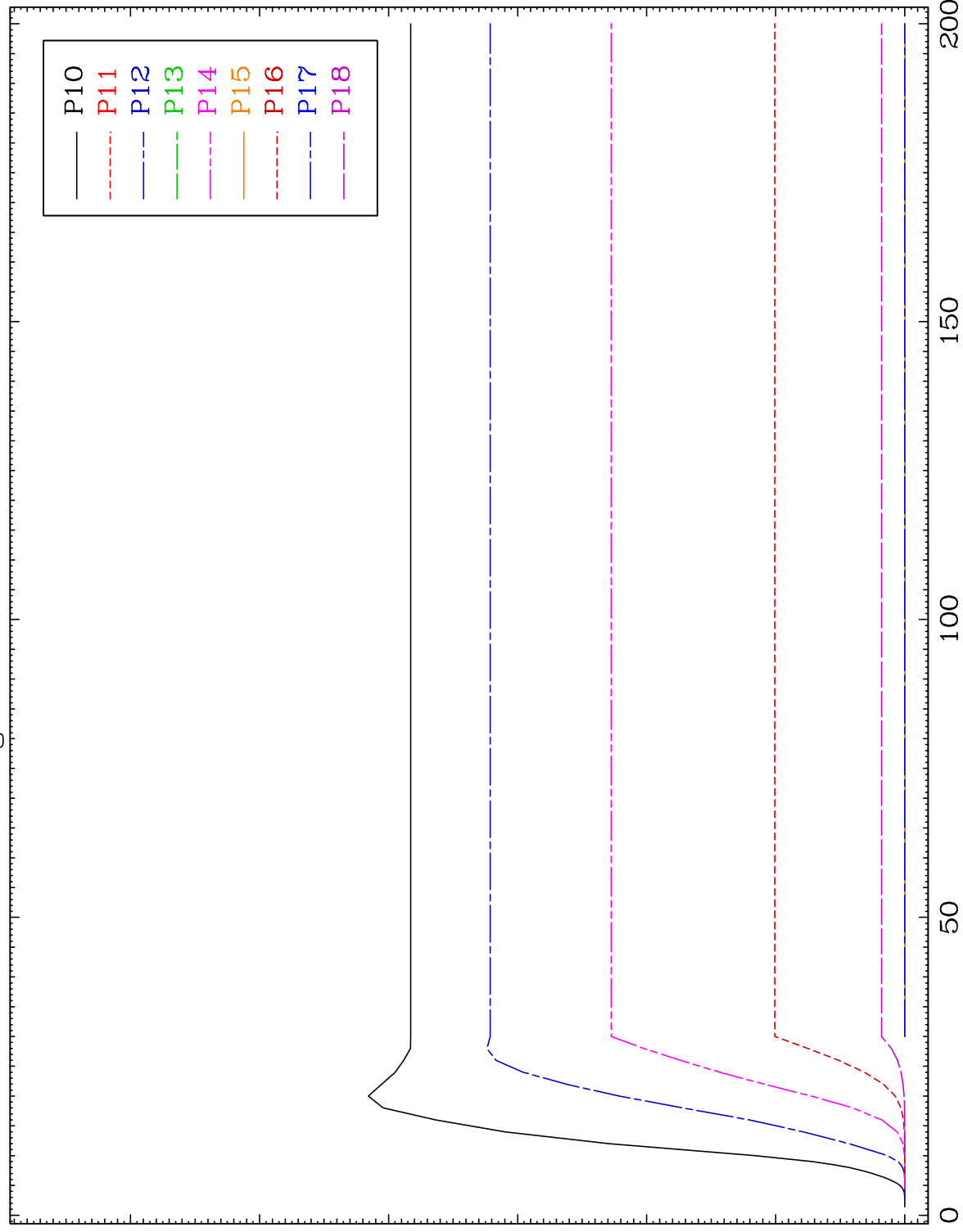
$\times 10^{-3}$



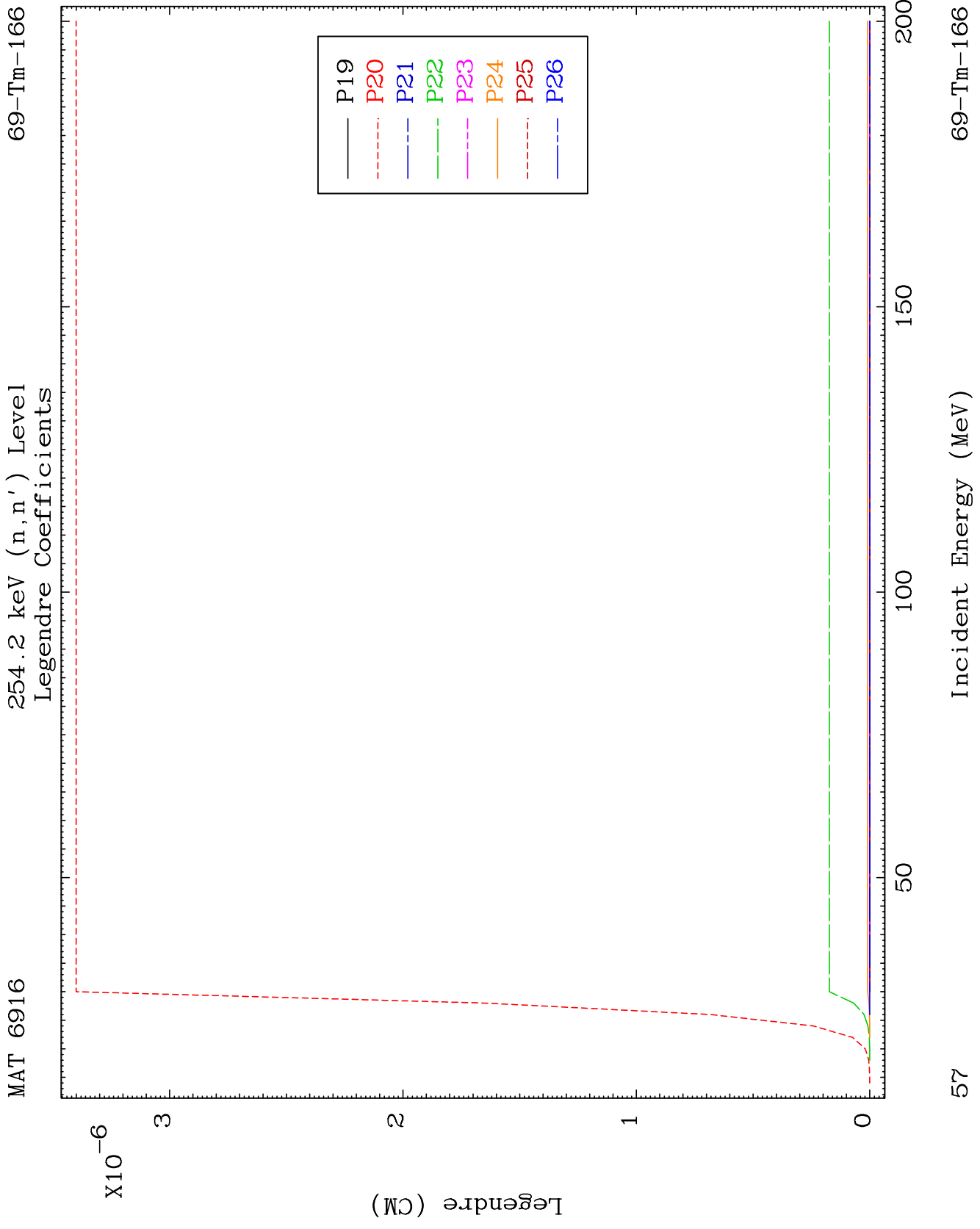
Legendre (CM)

Incident Energy (MeV)

69-Tm-166



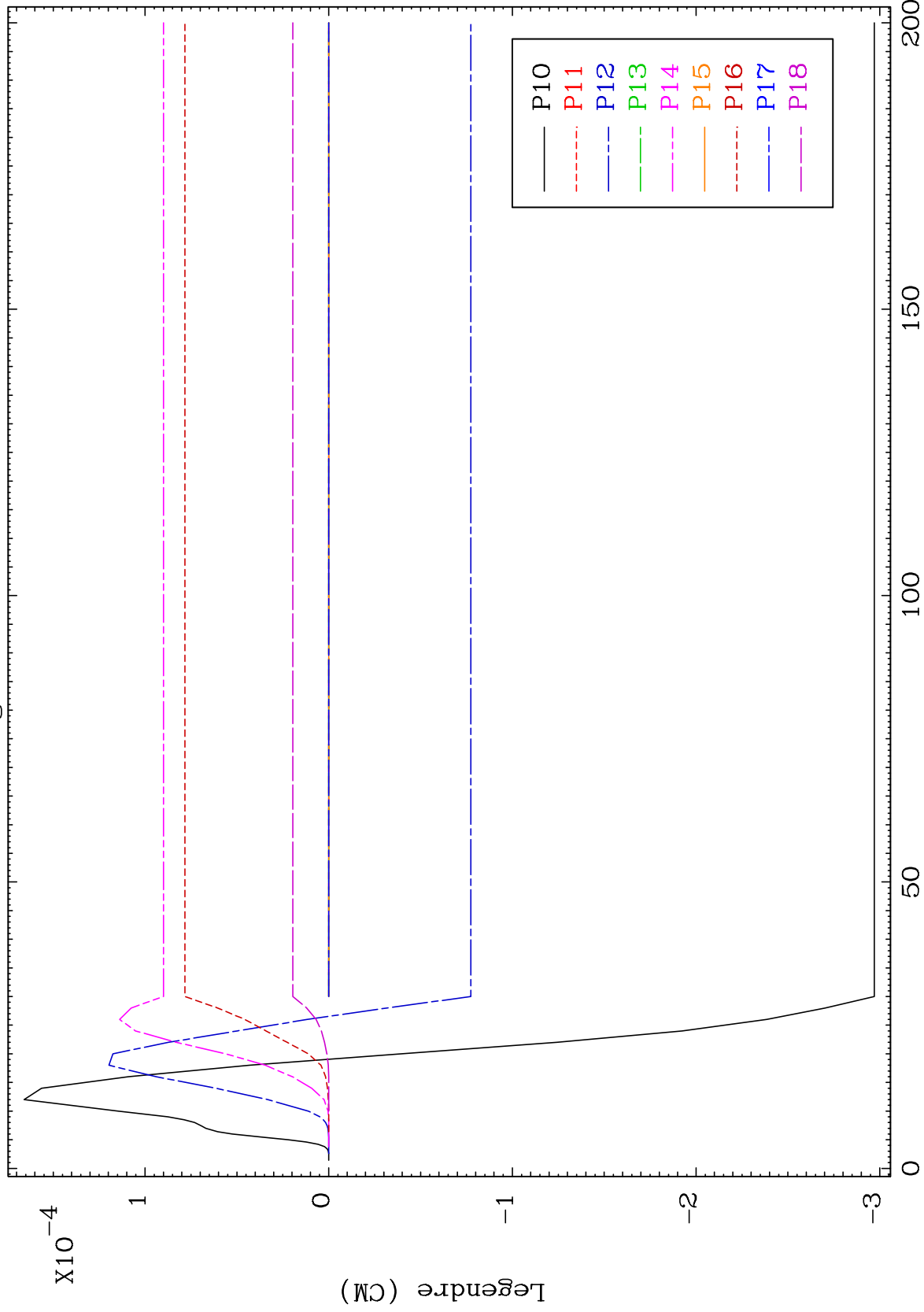
56



MAT 6916

256.9 keV (n,n') Level
Legendre Coefficients

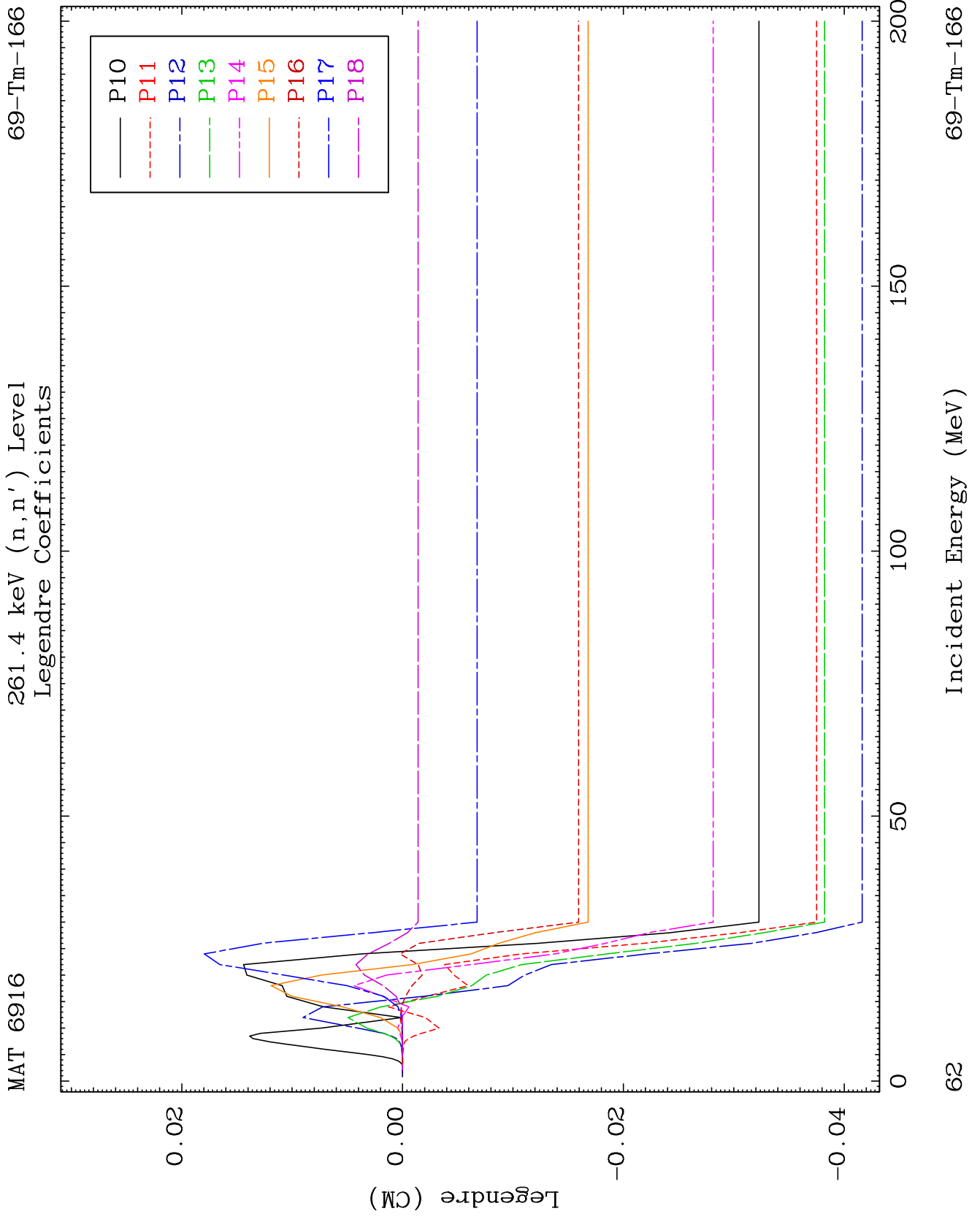
69-Tm-166

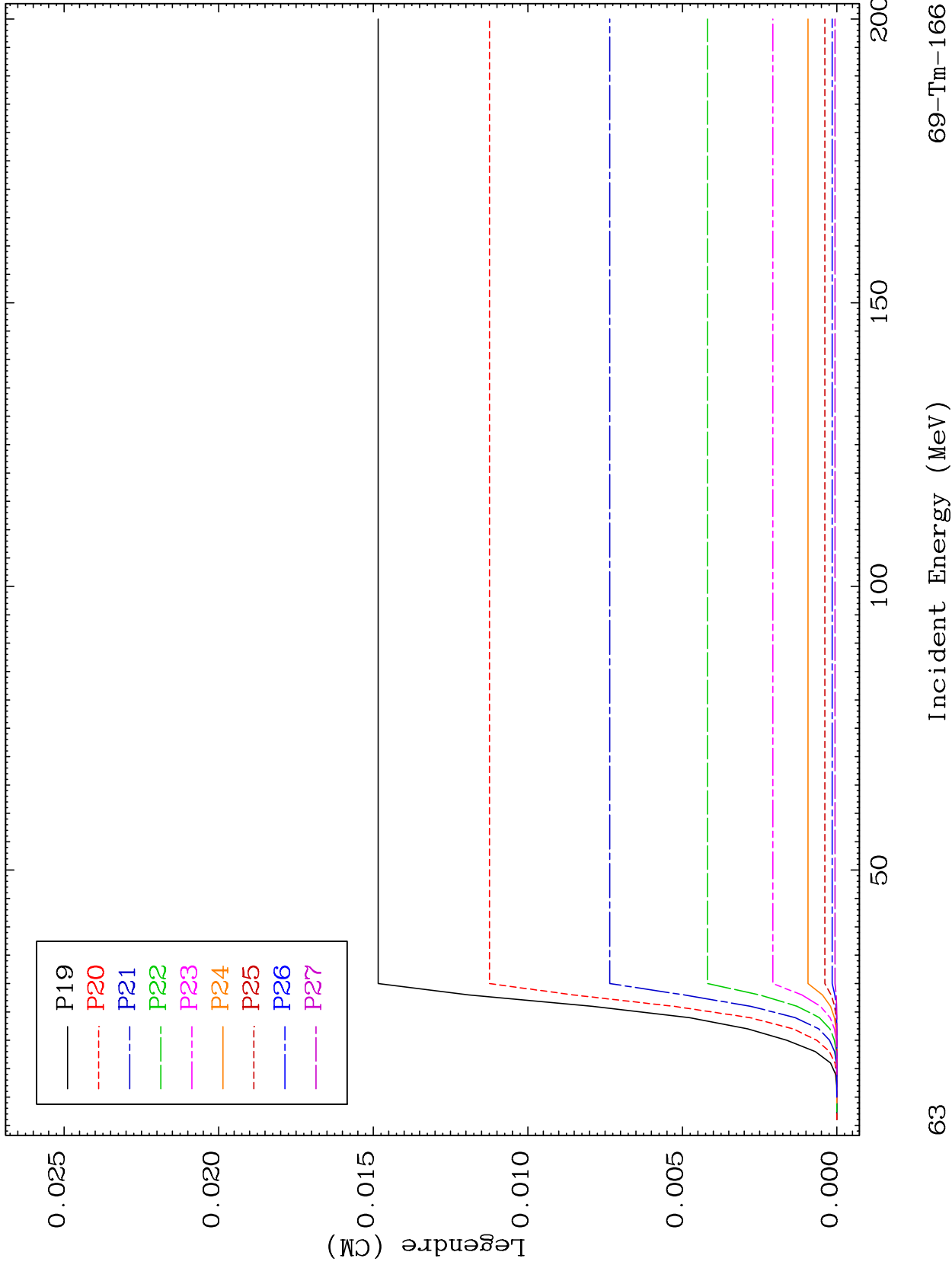


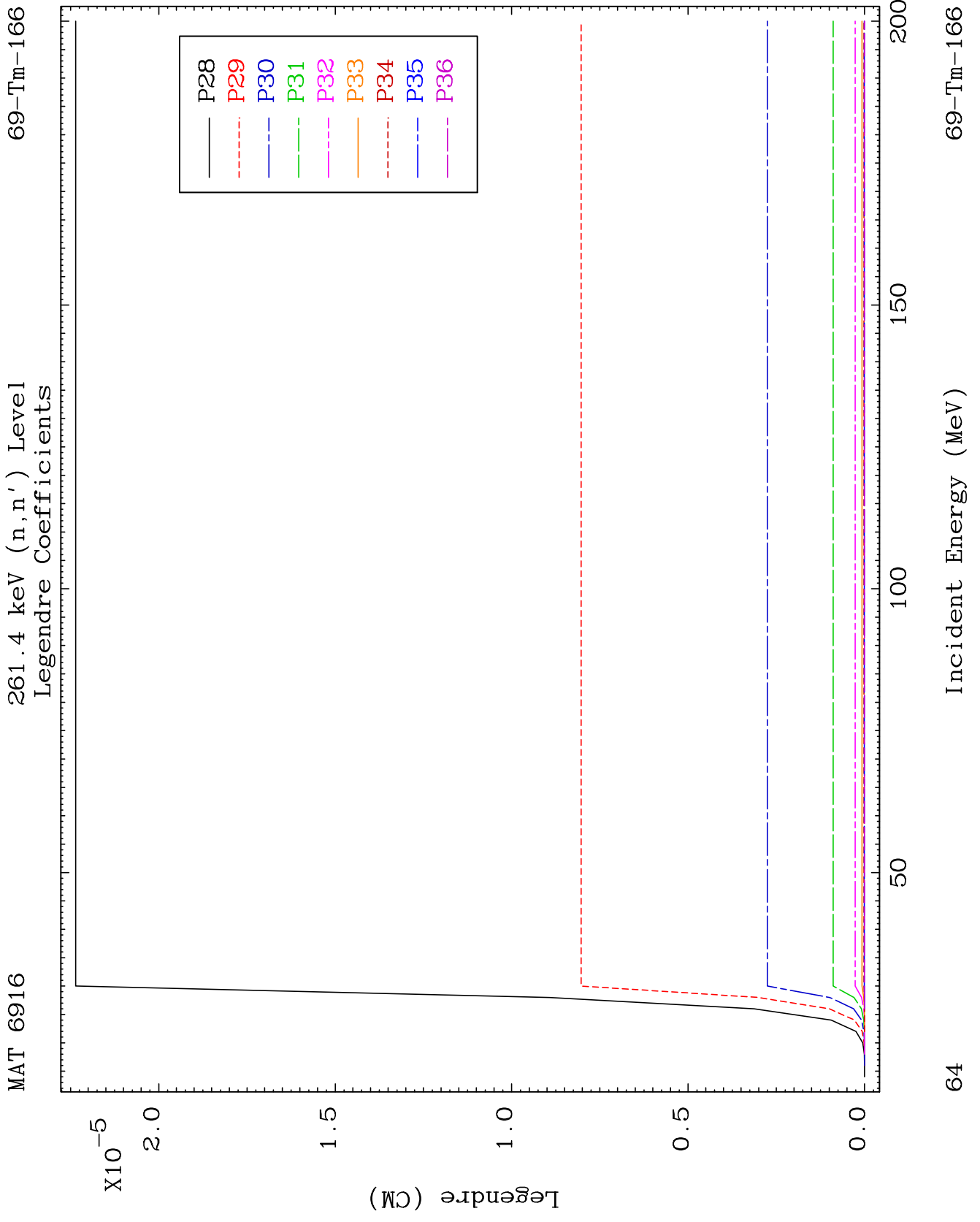
59

Incident Energy (MeV)

69-Tm-166



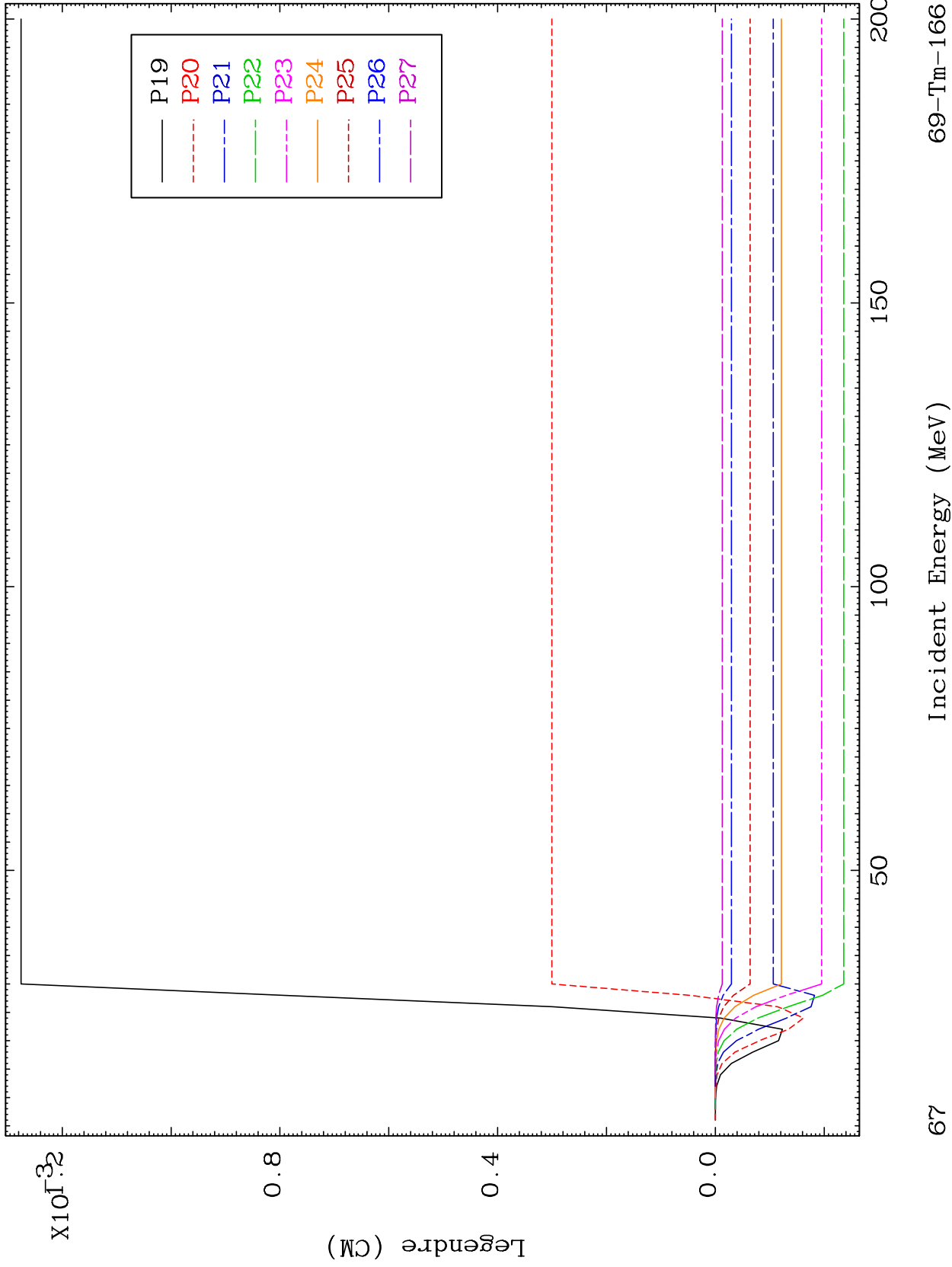




MAT 6916

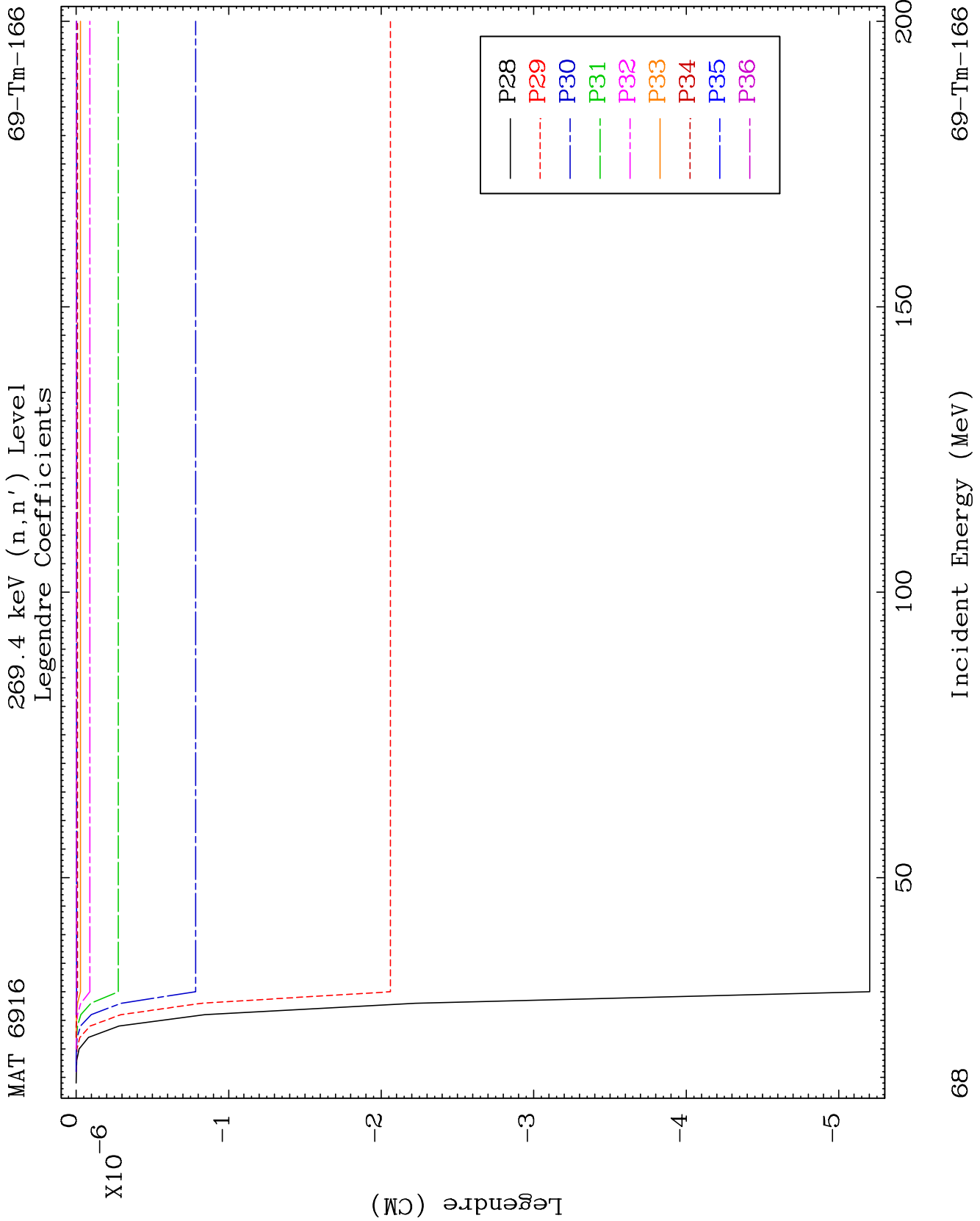
269.4 keV (n,n') Level
Legendre Coefficients

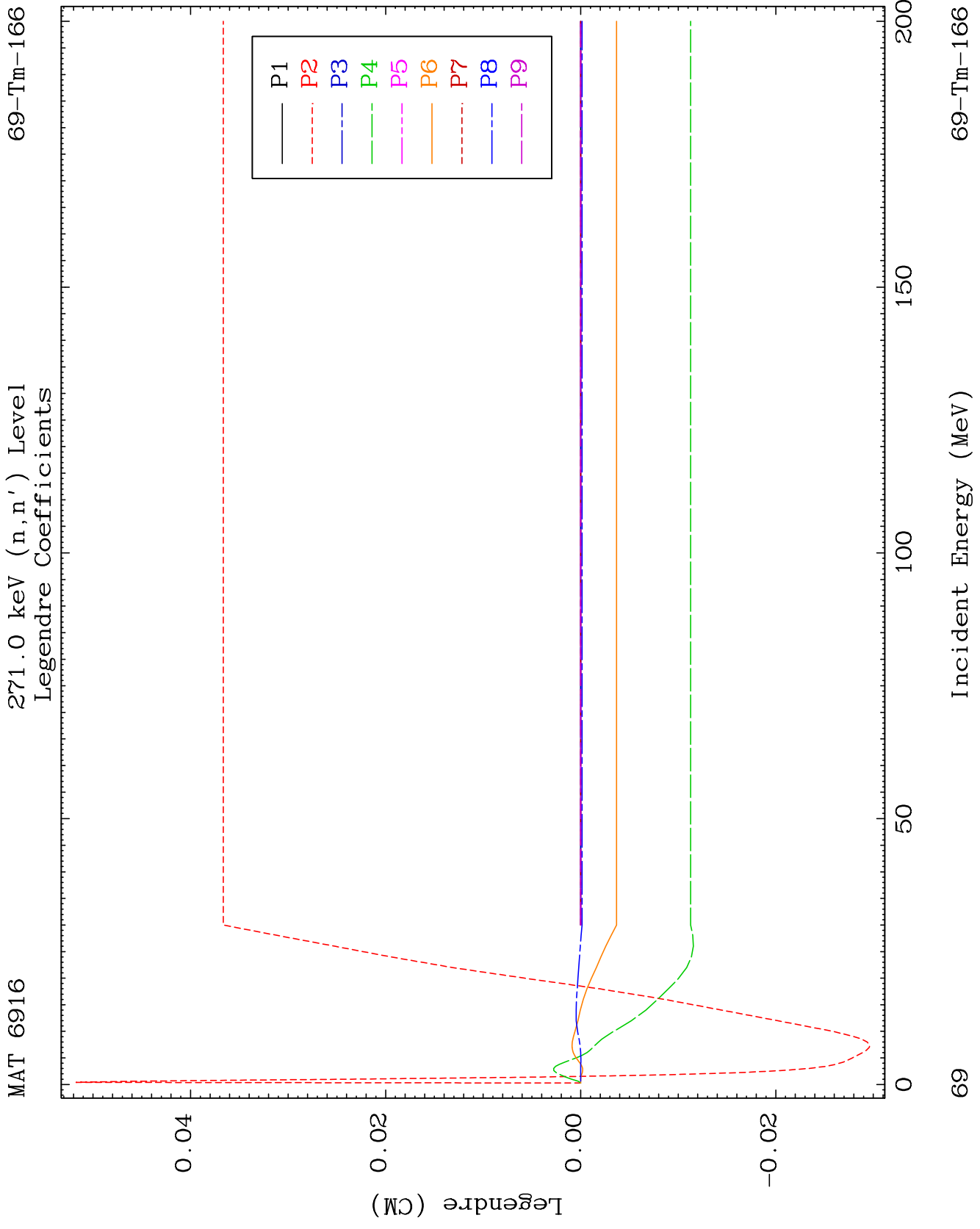
69-Tm-166

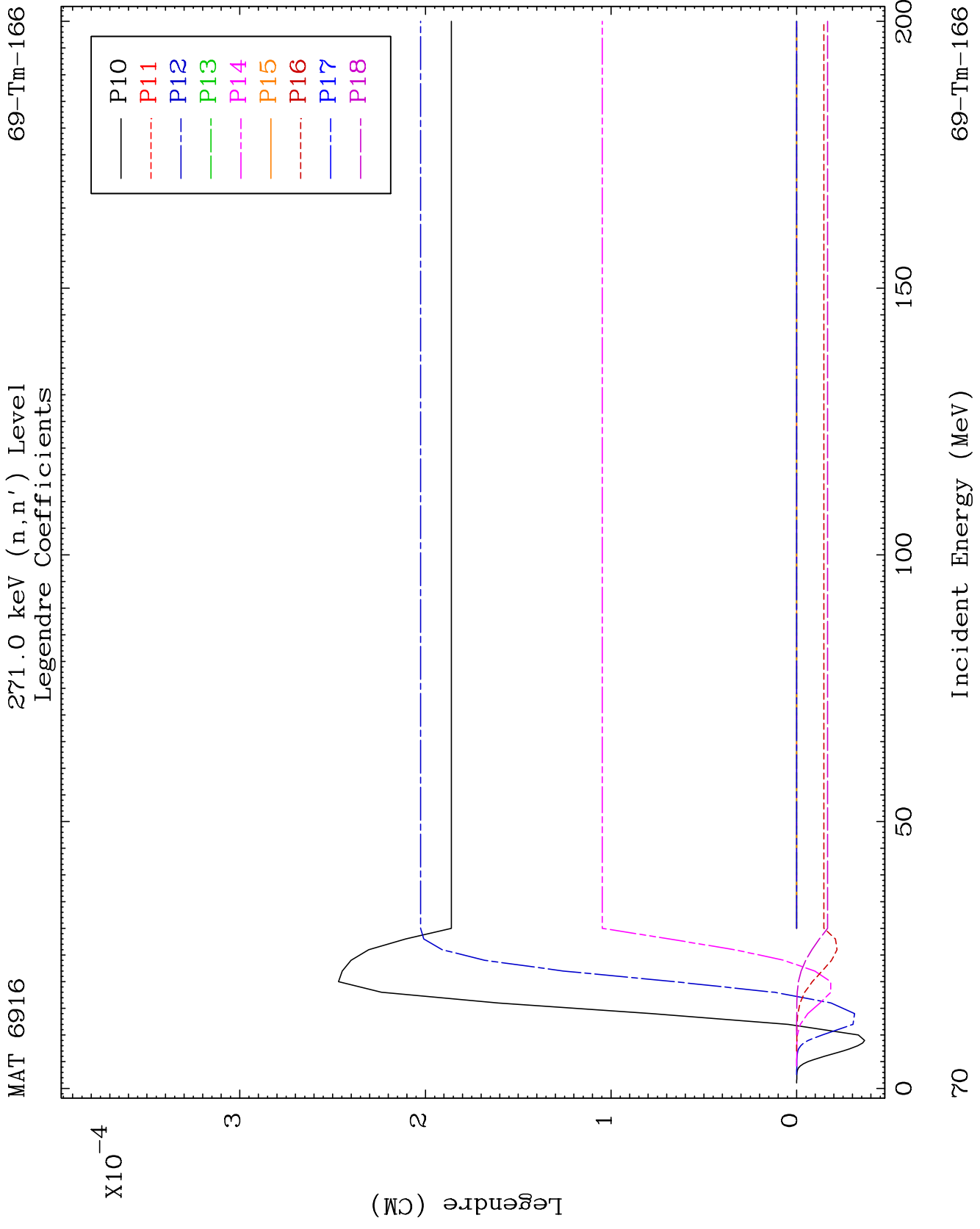


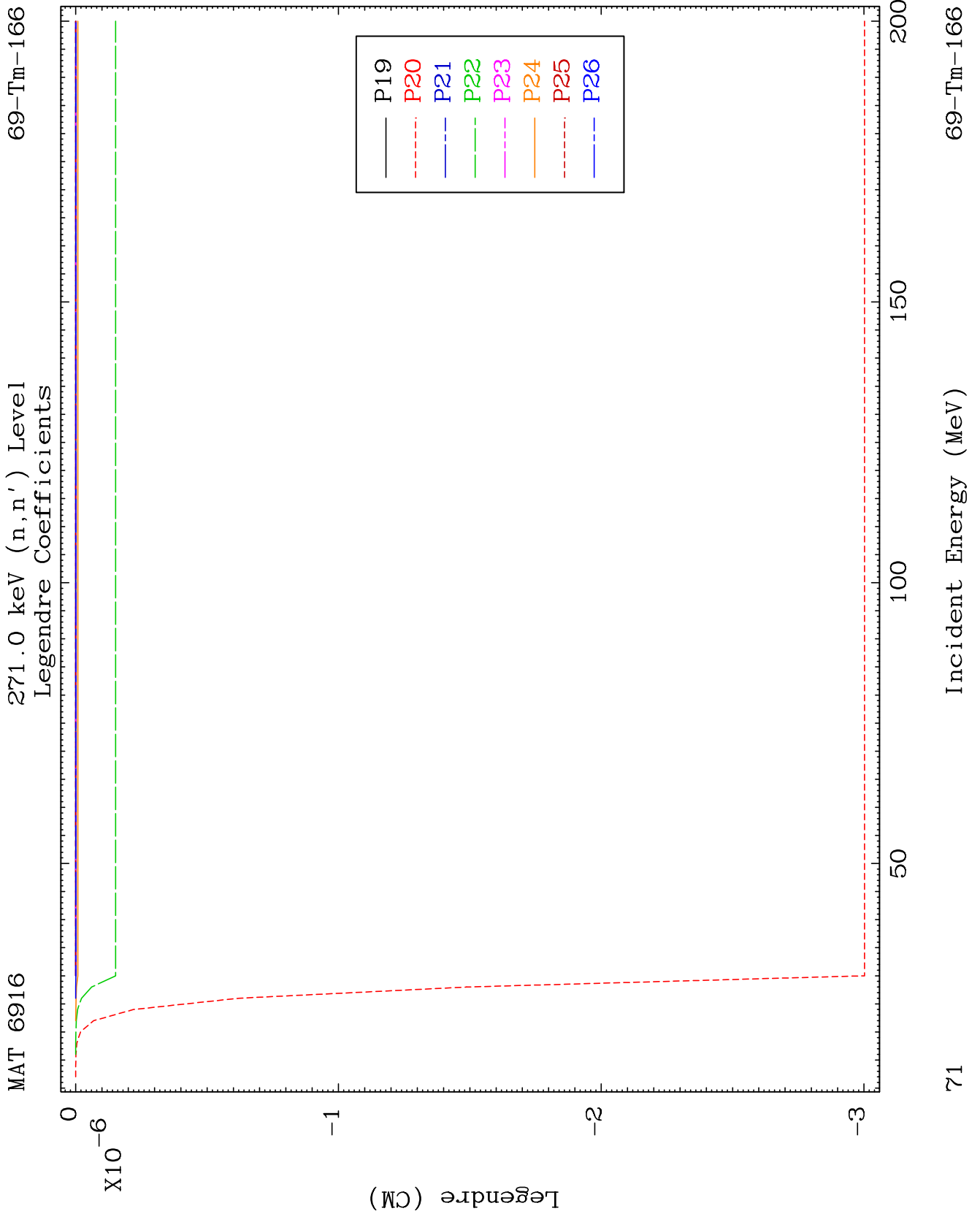
67

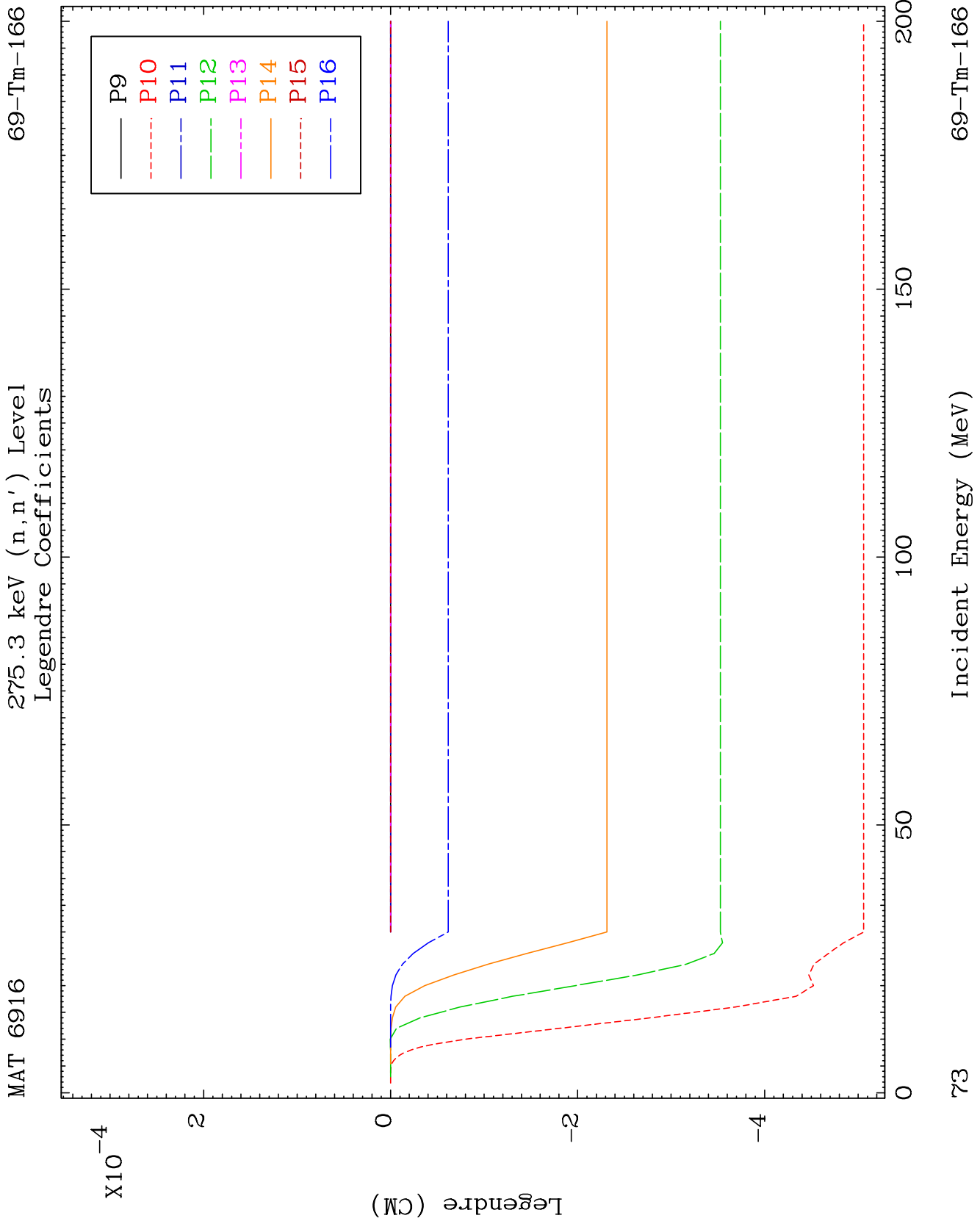
69-Tm-166

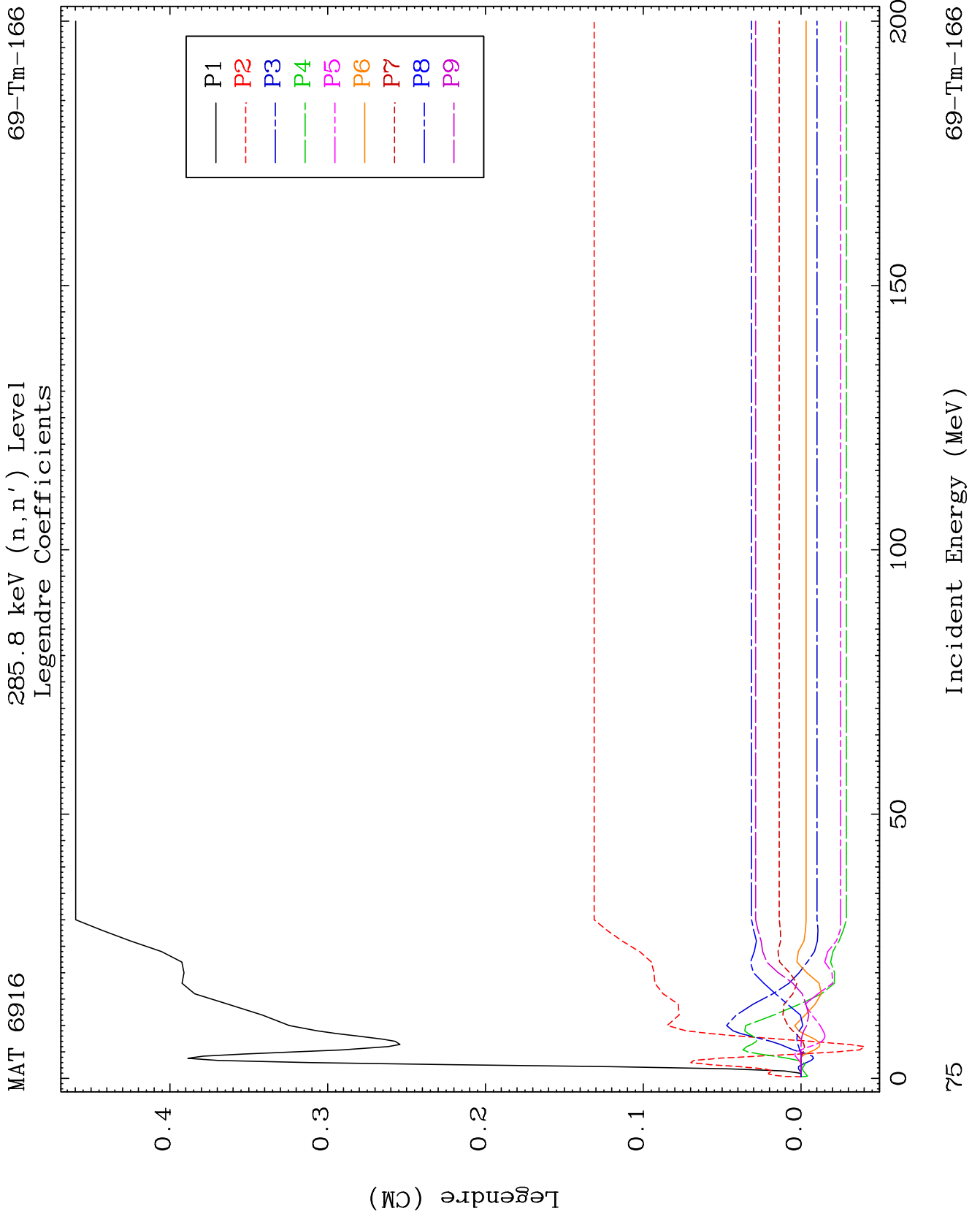


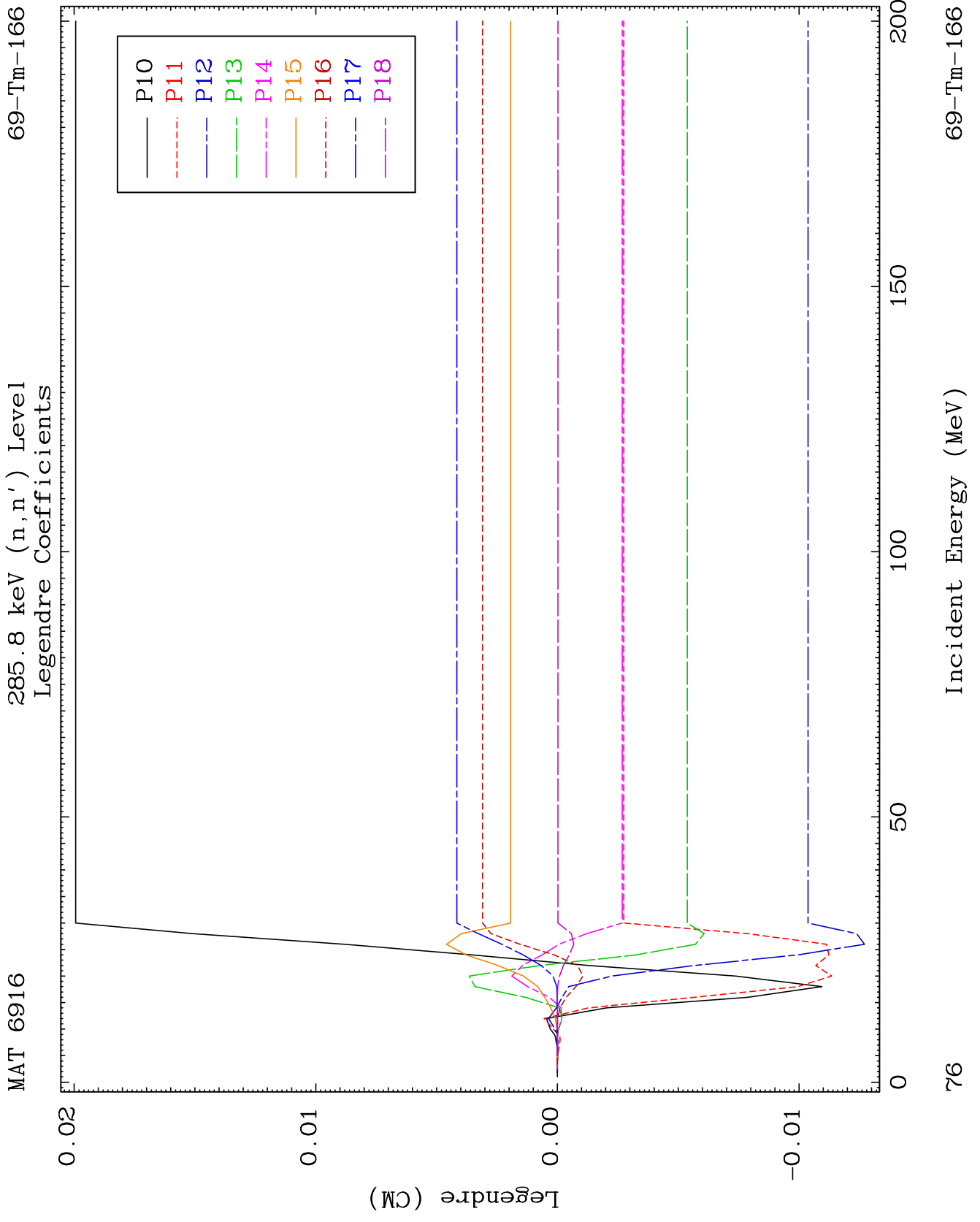


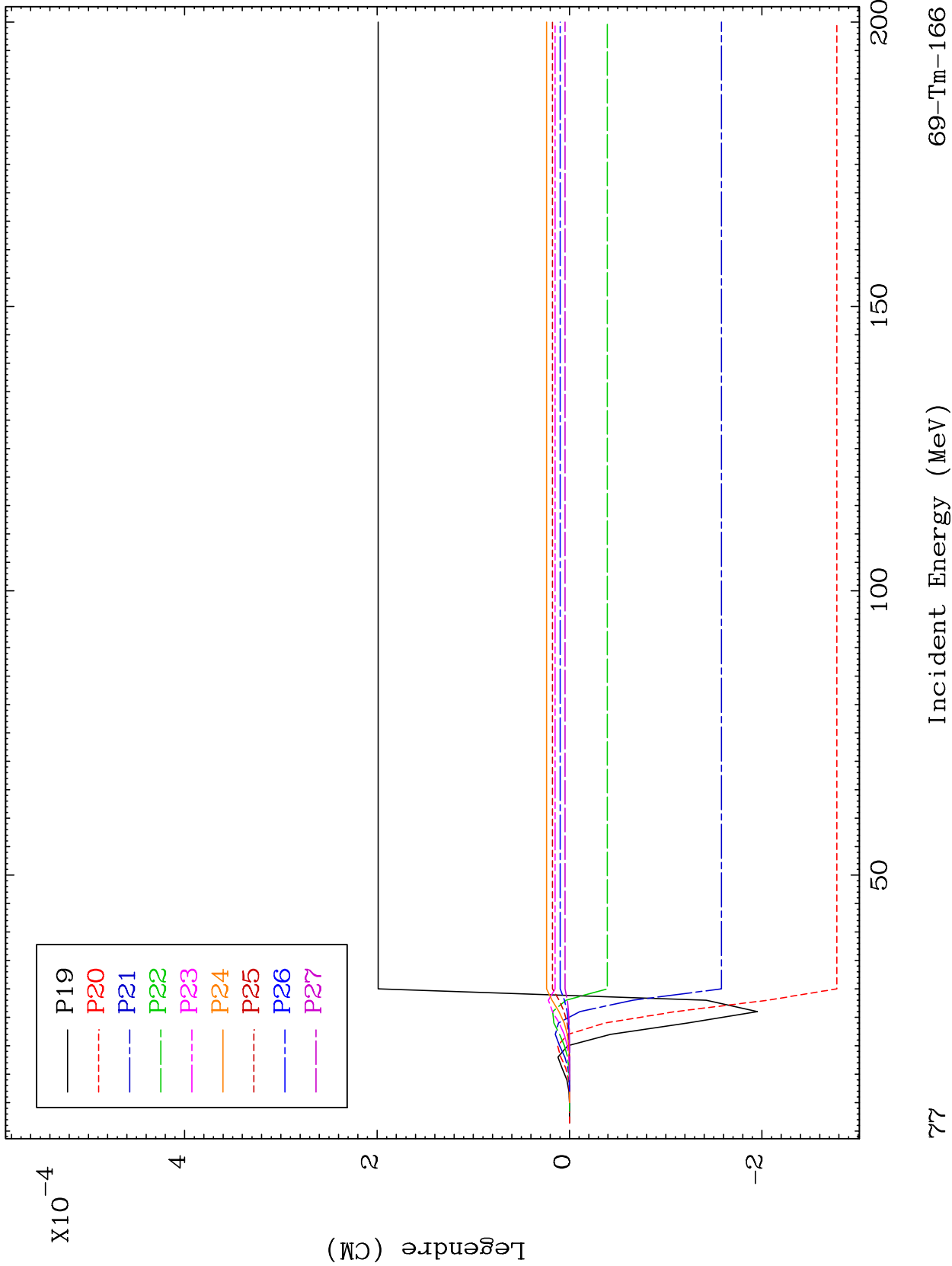


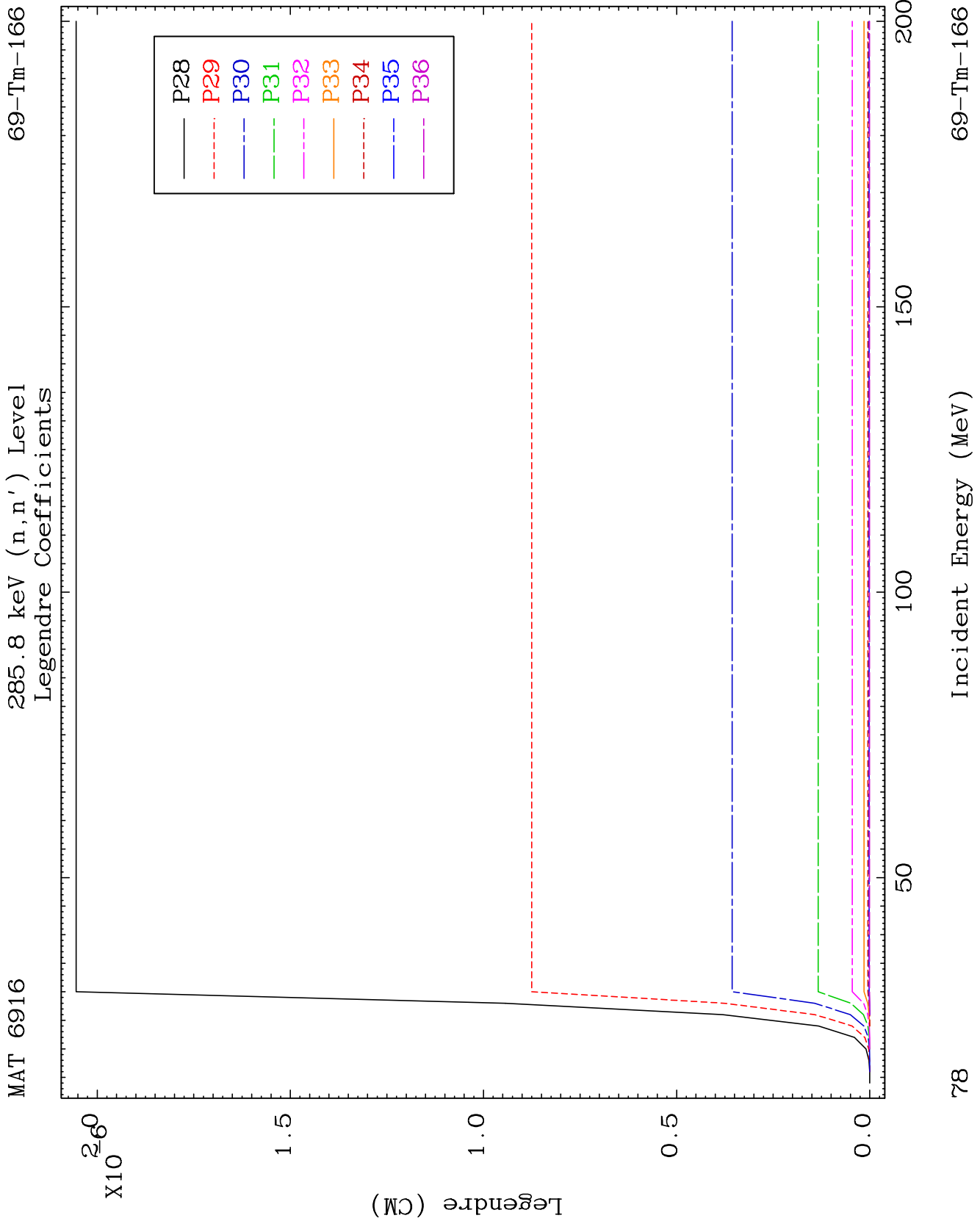


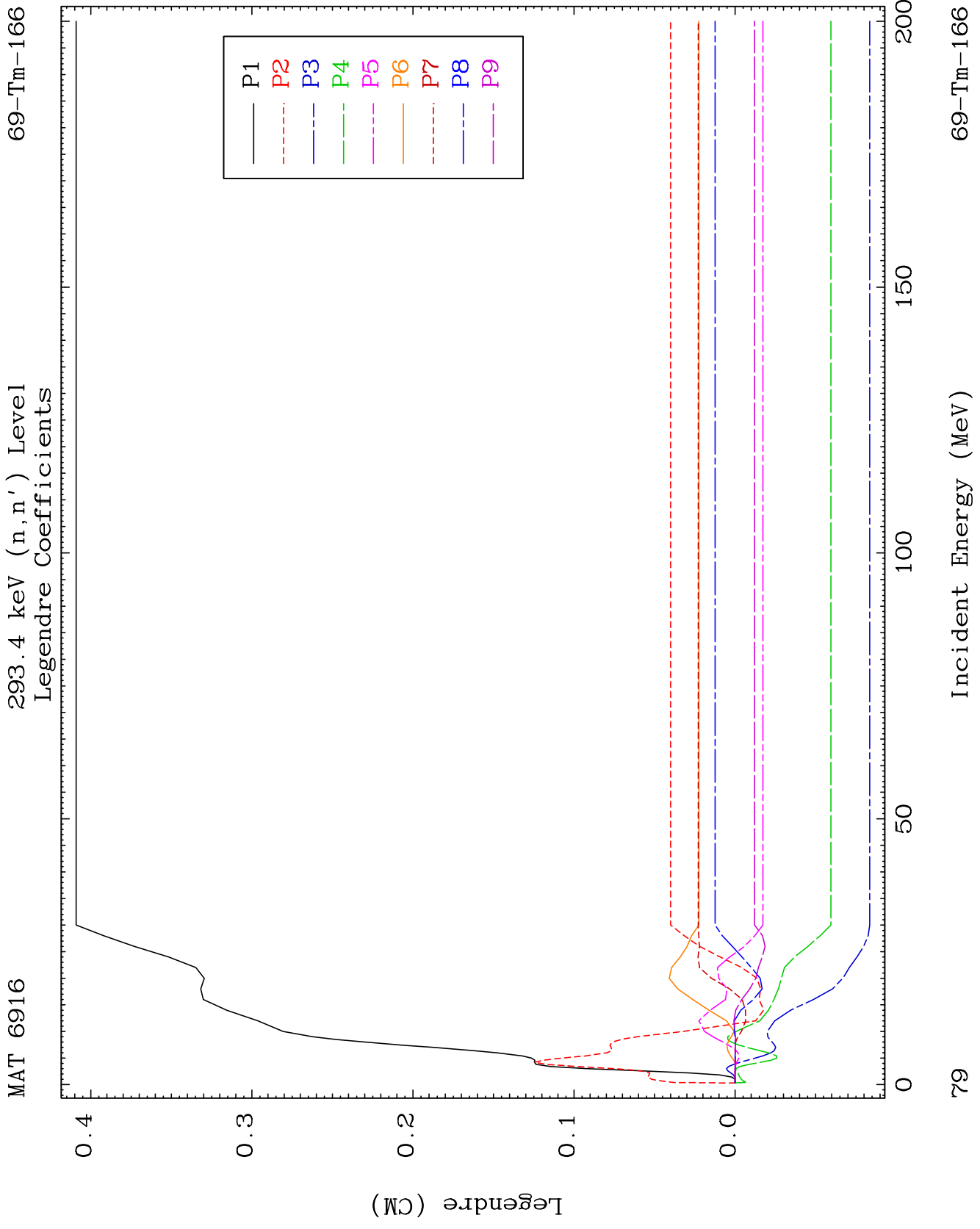


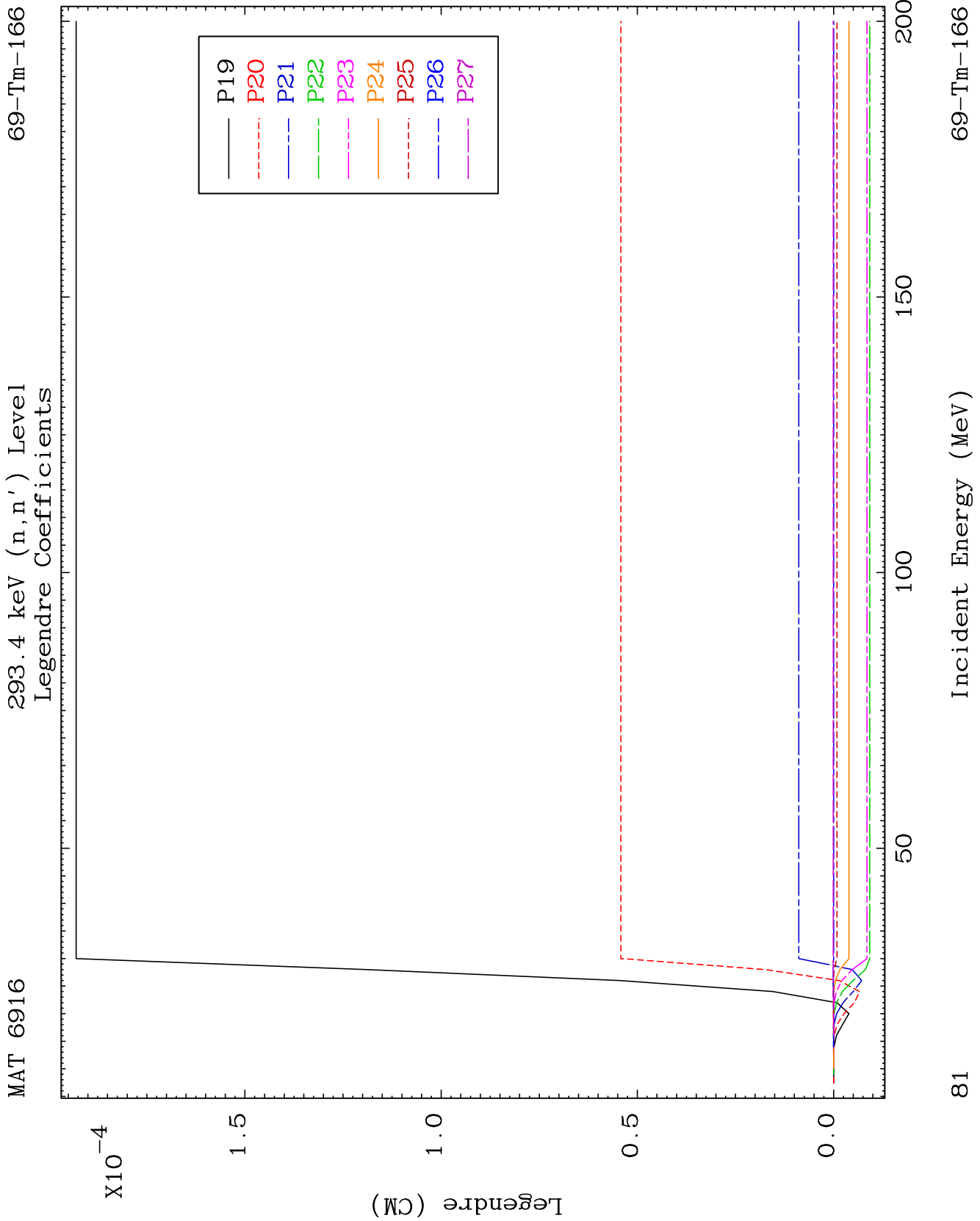








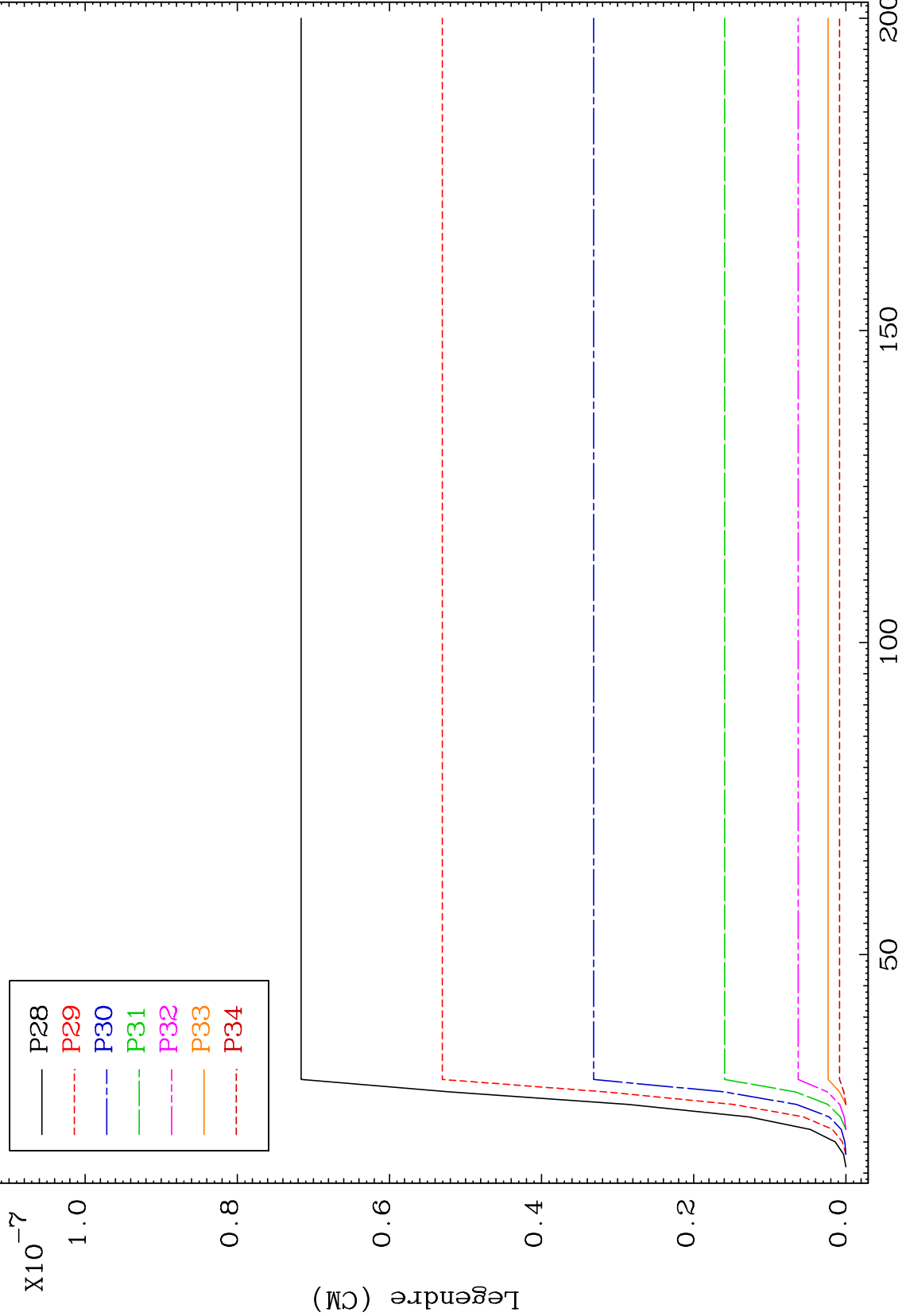
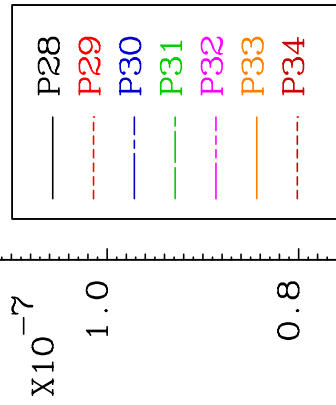




MAT 6916

293.4 keV (n,n') Level
Legendre Coefficients

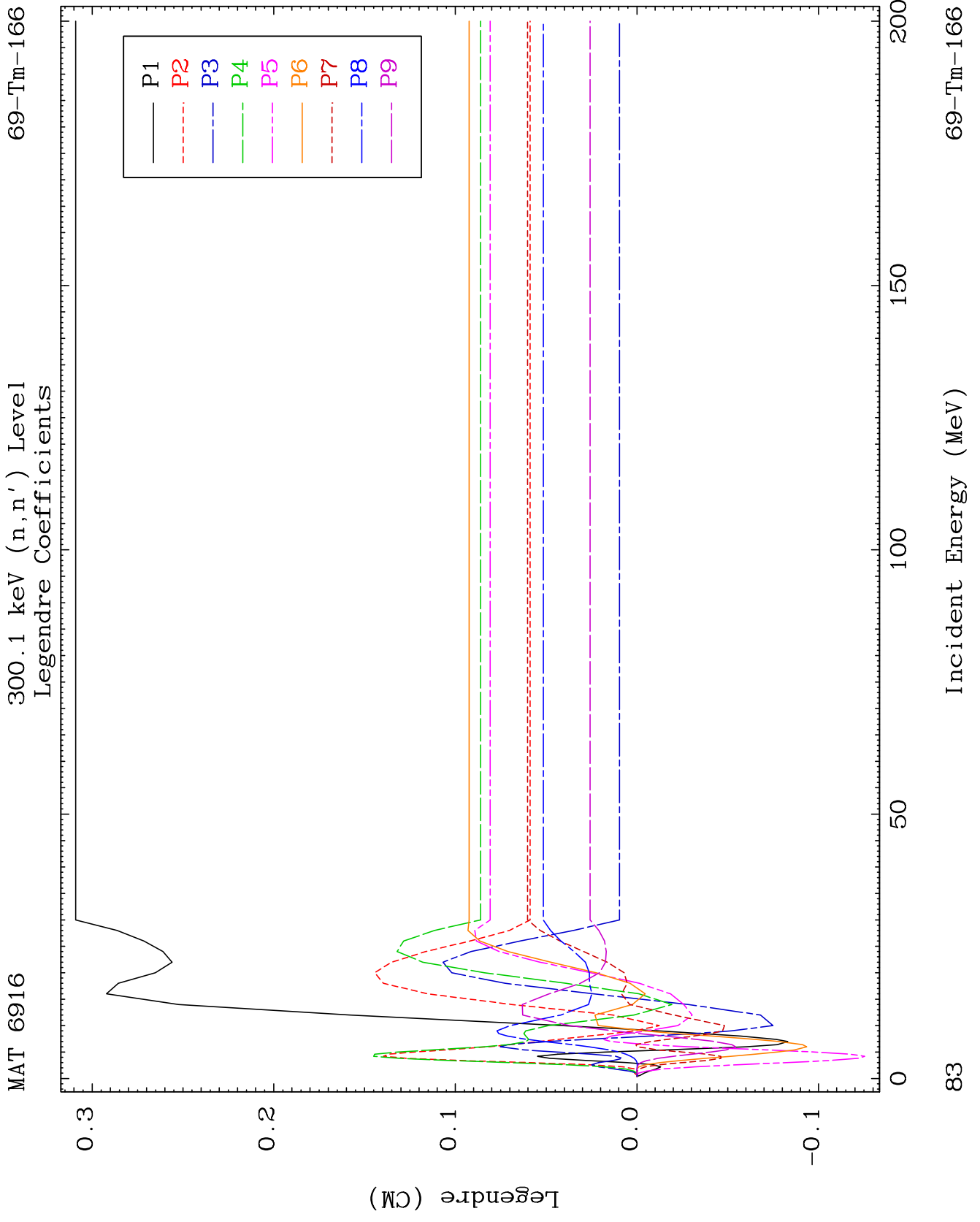
69-Tm-166

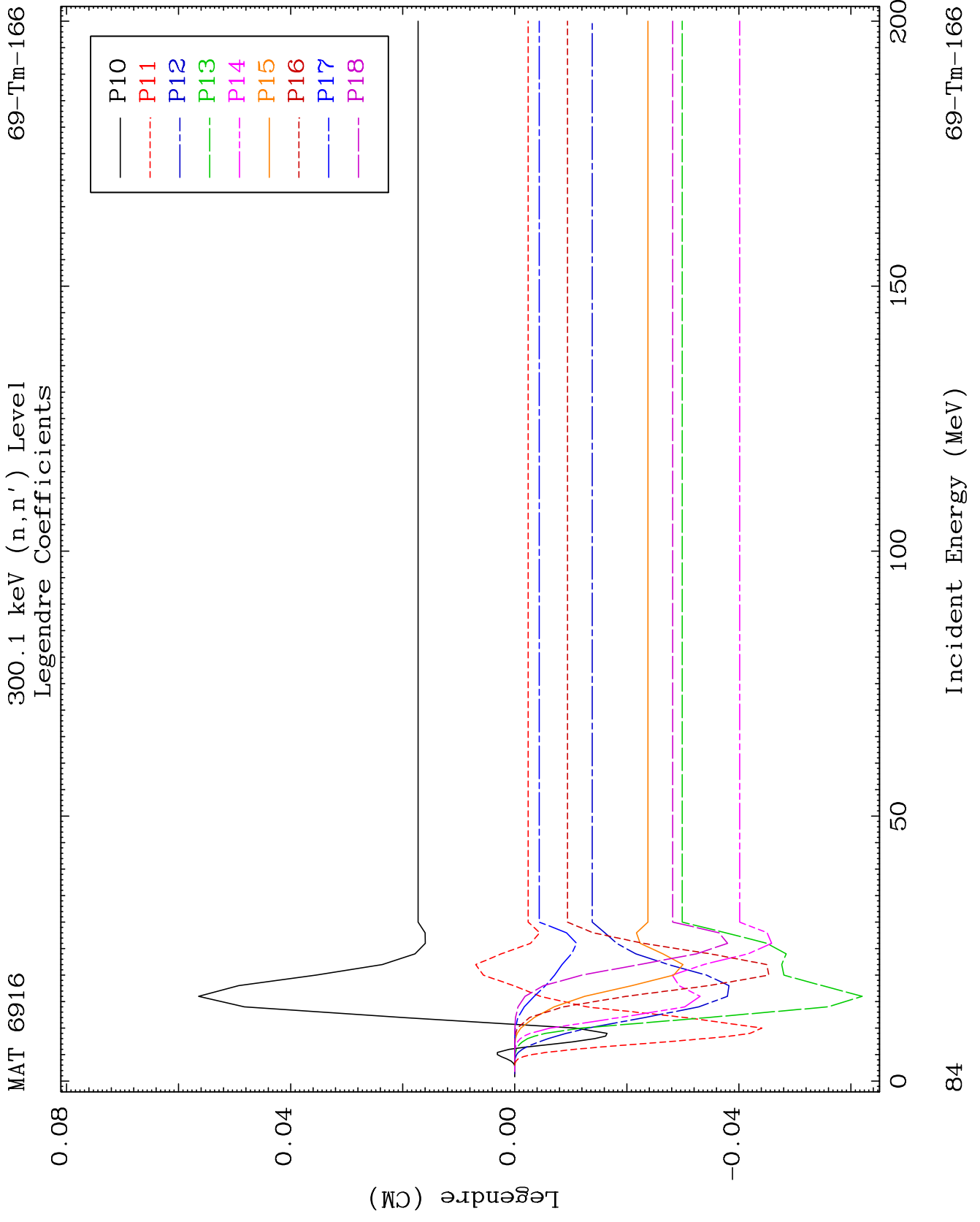


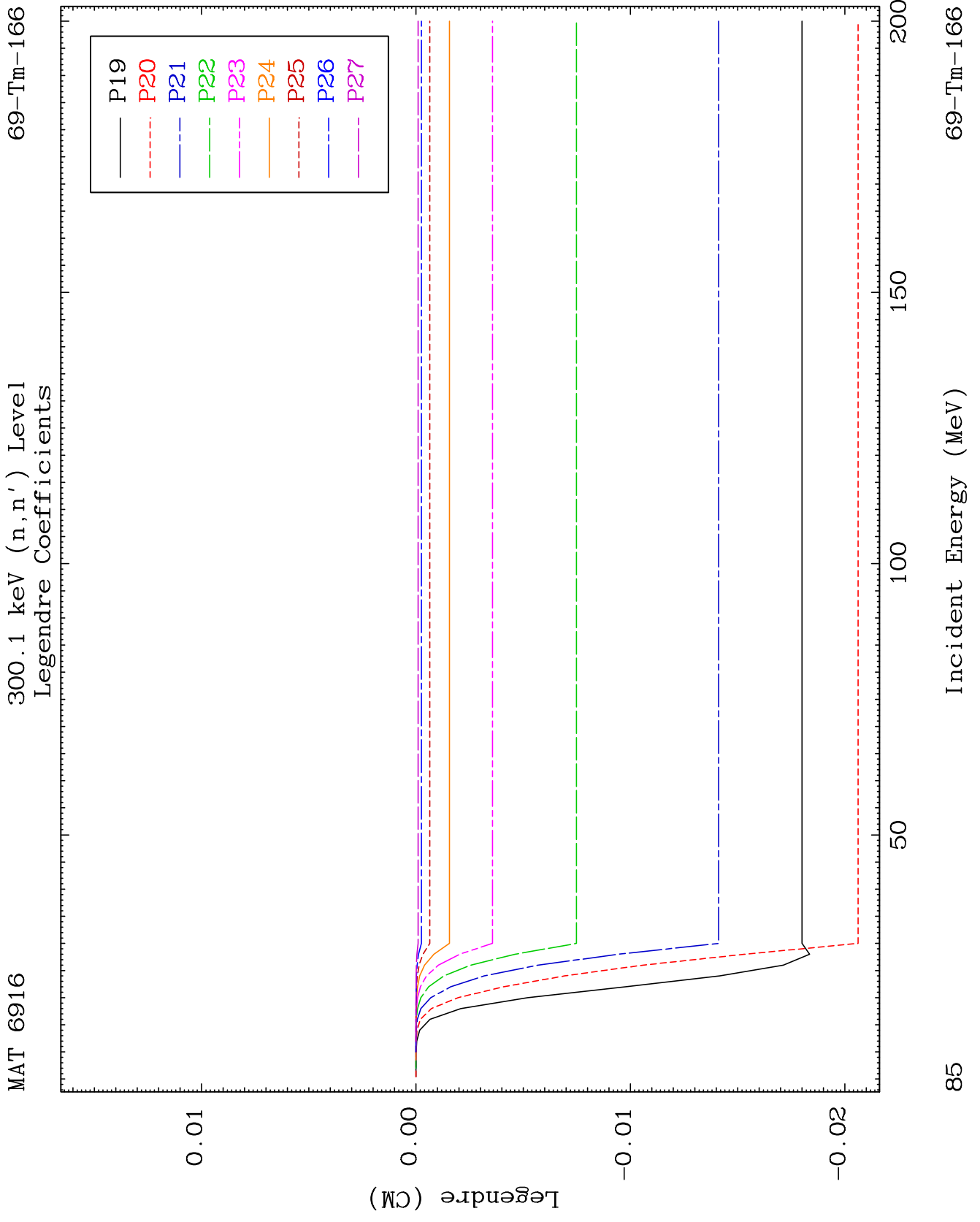
82

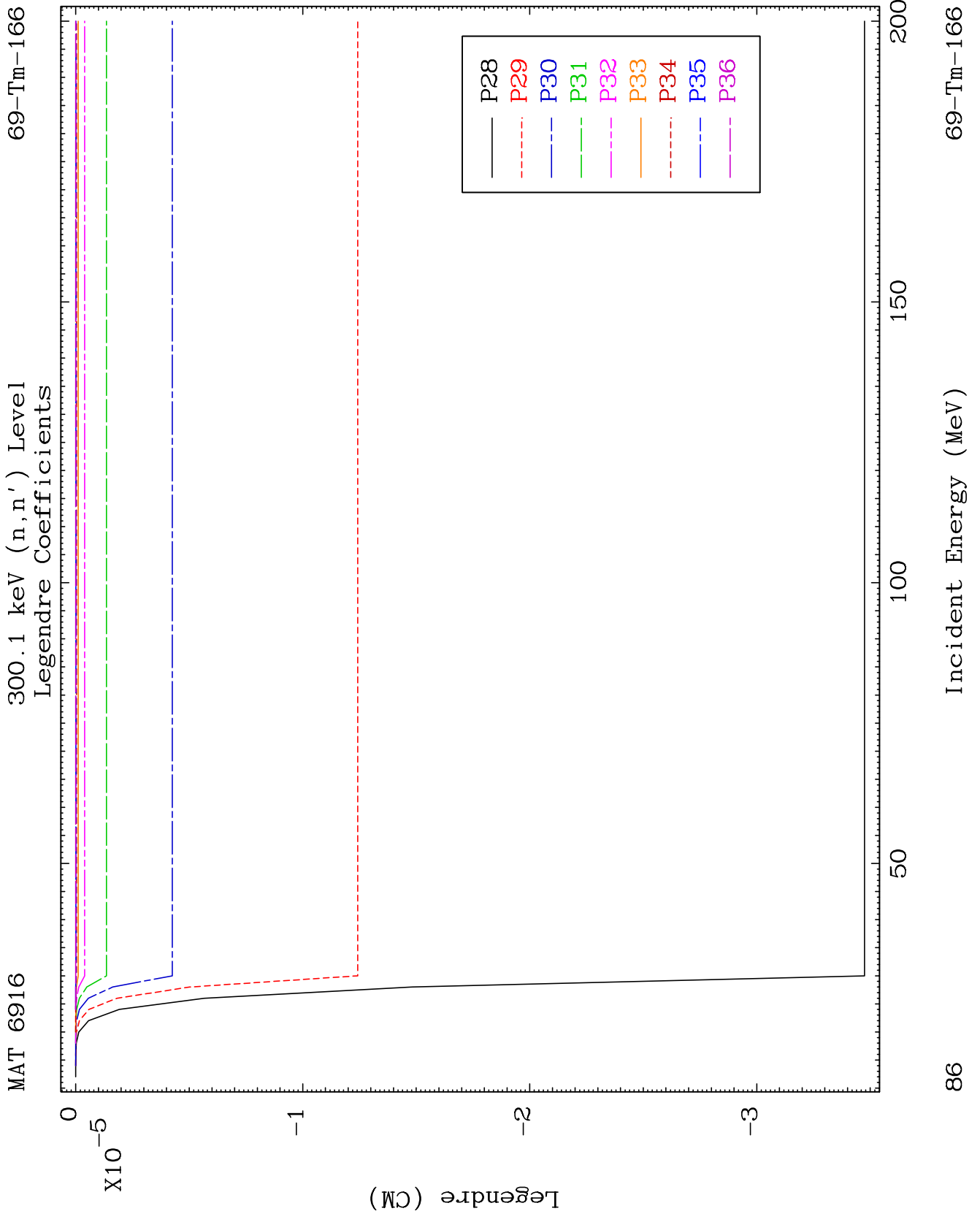
Incident Energy (MeV)

69-Tm-166





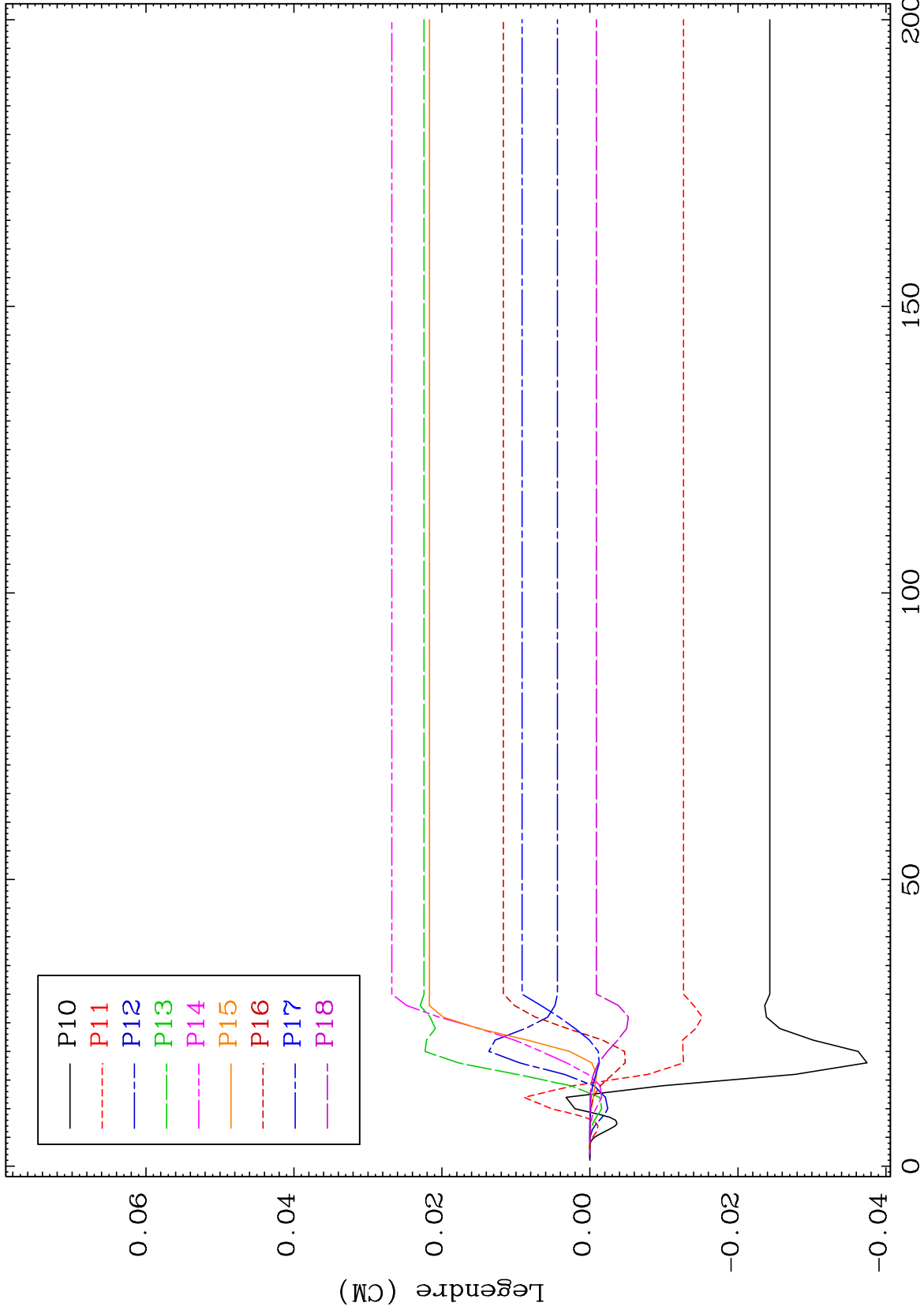




MAT 6916

302.6 keV (n,n') Level
Legendre Coefficients

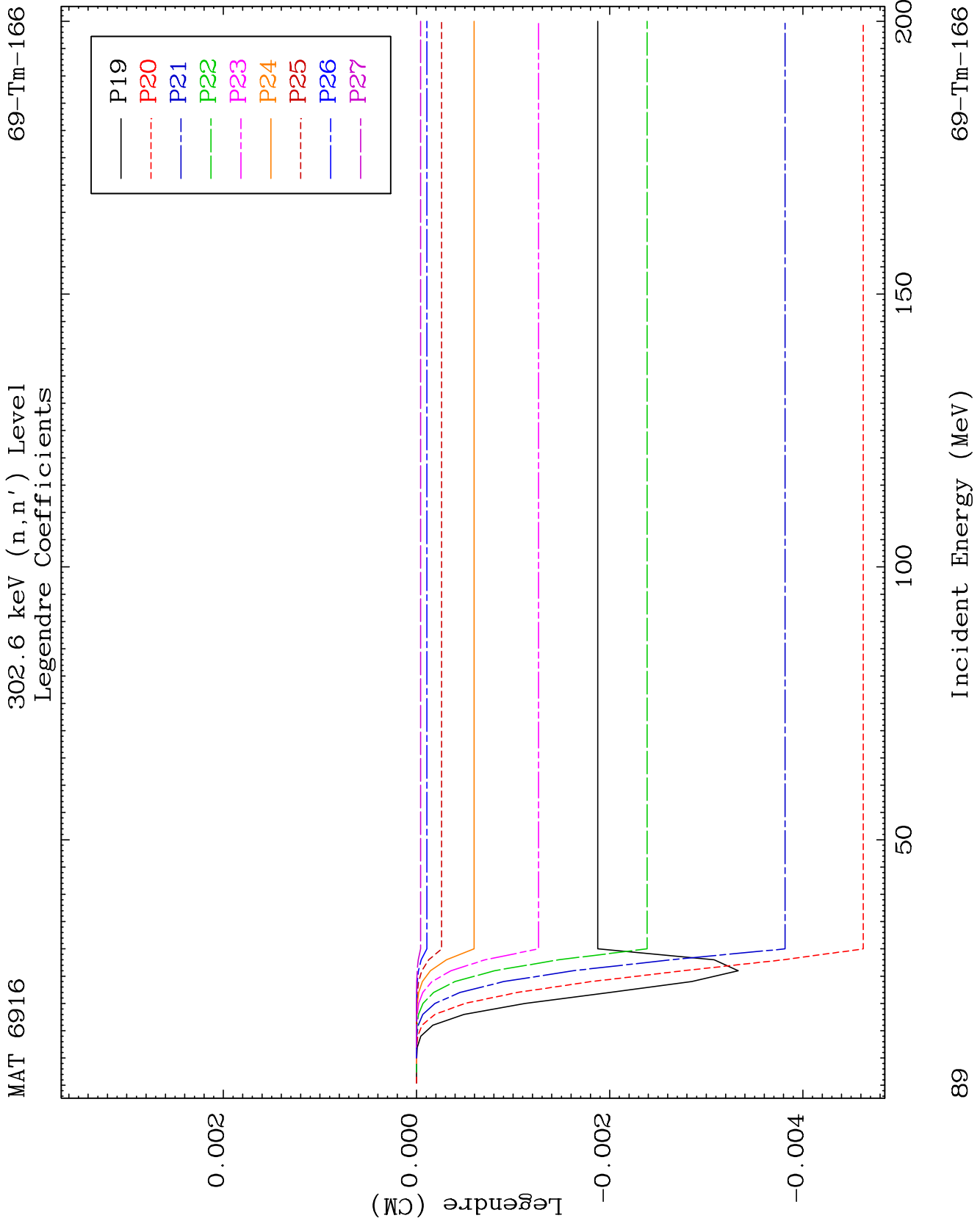
69-Tm-166

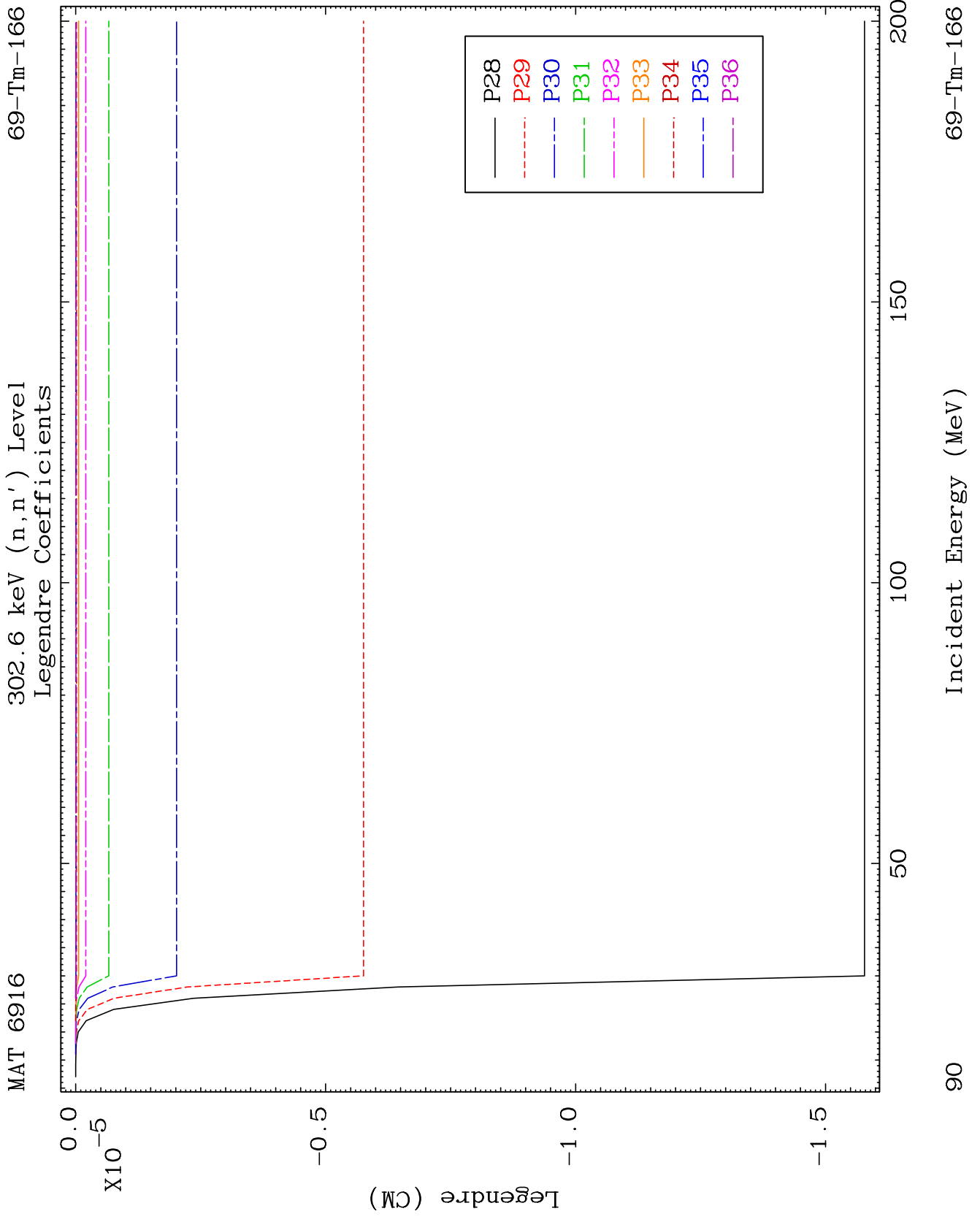


88

Incident Energy (MeV)

69-Tm-166

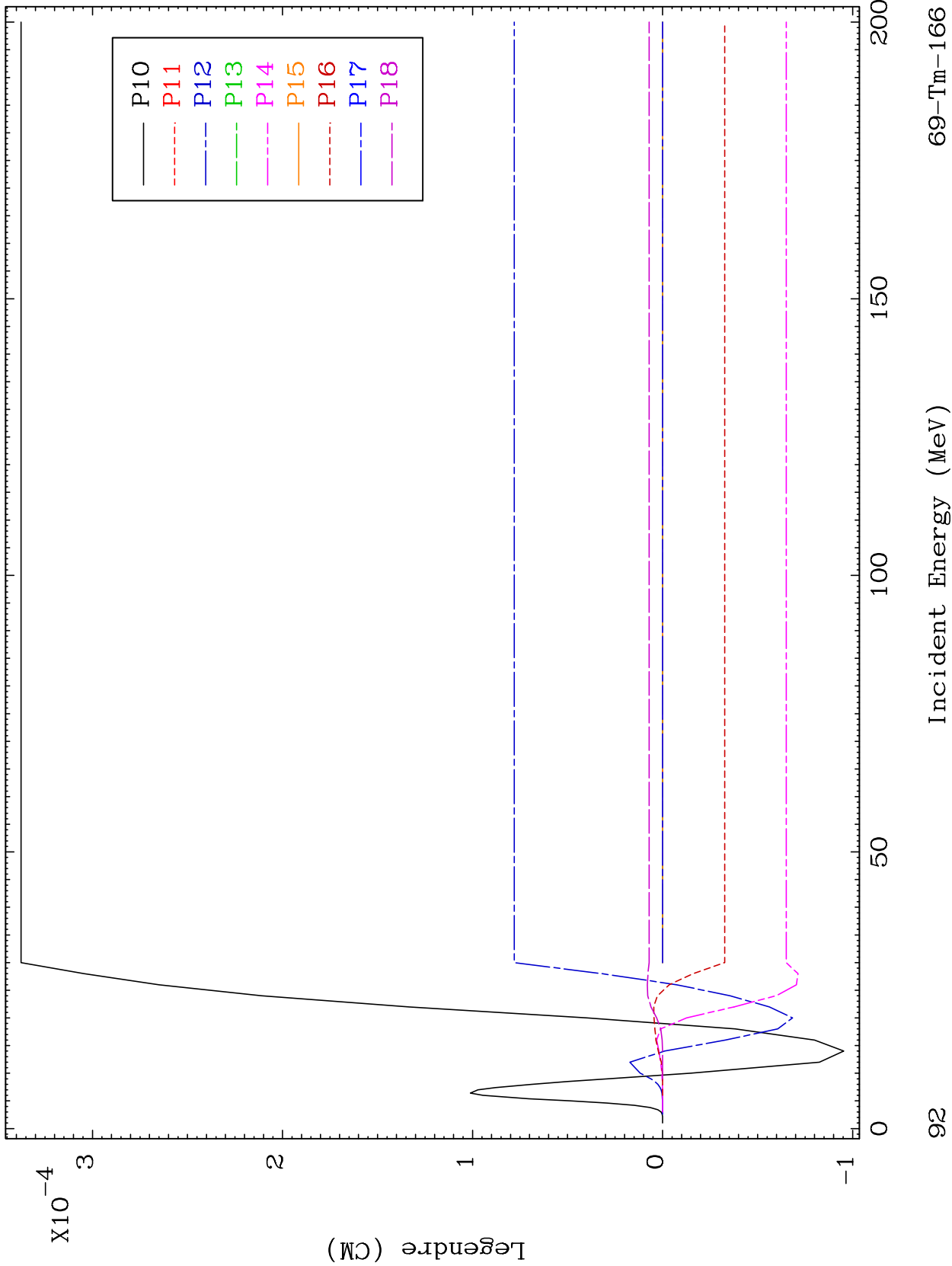




MAT 6916

304.0 keV (n,n') Level
Legendre Coefficients

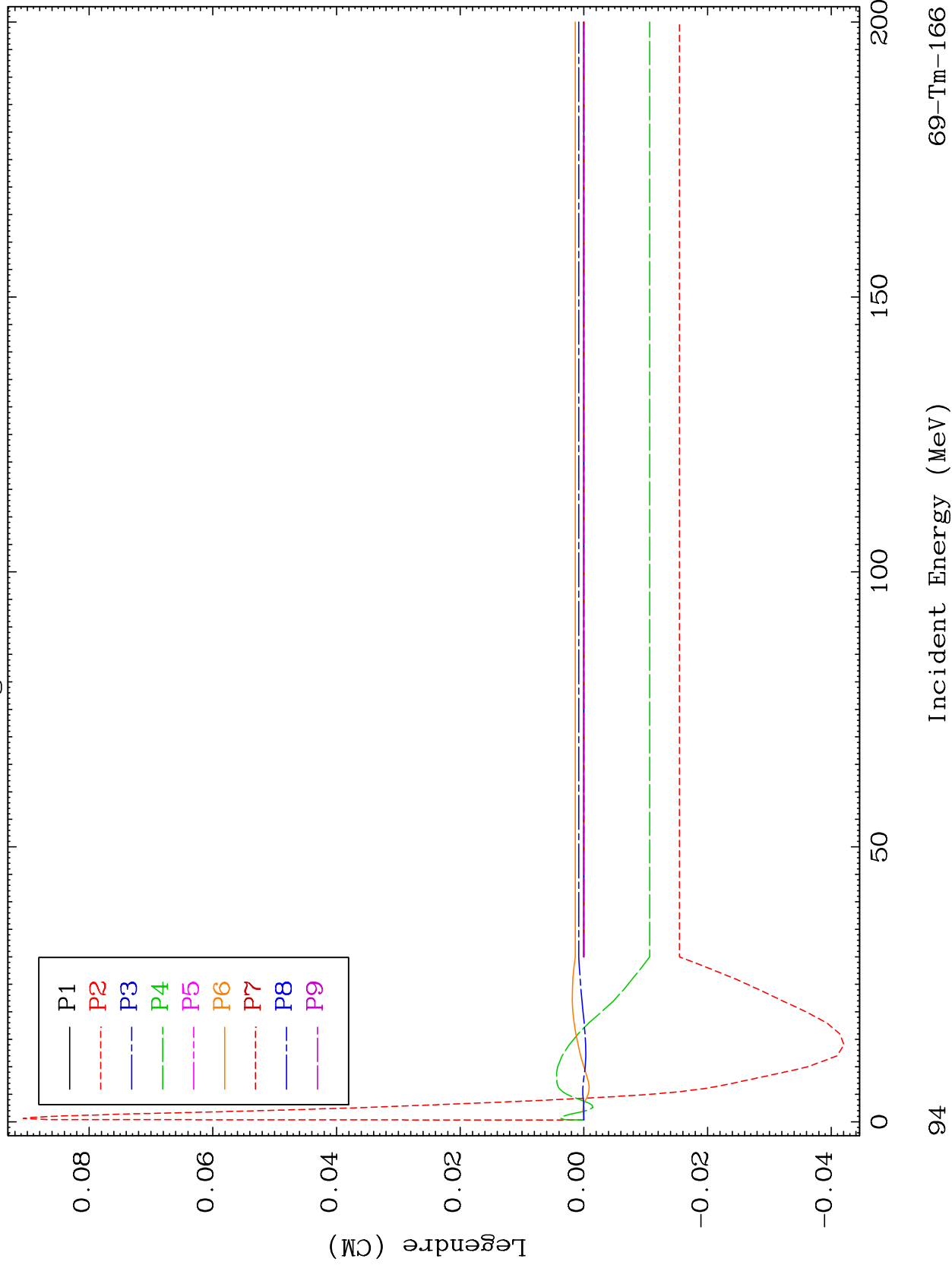
69-Tm-166



MAT 6916

306.0 keV (n,n') Level
Legendre Coefficients

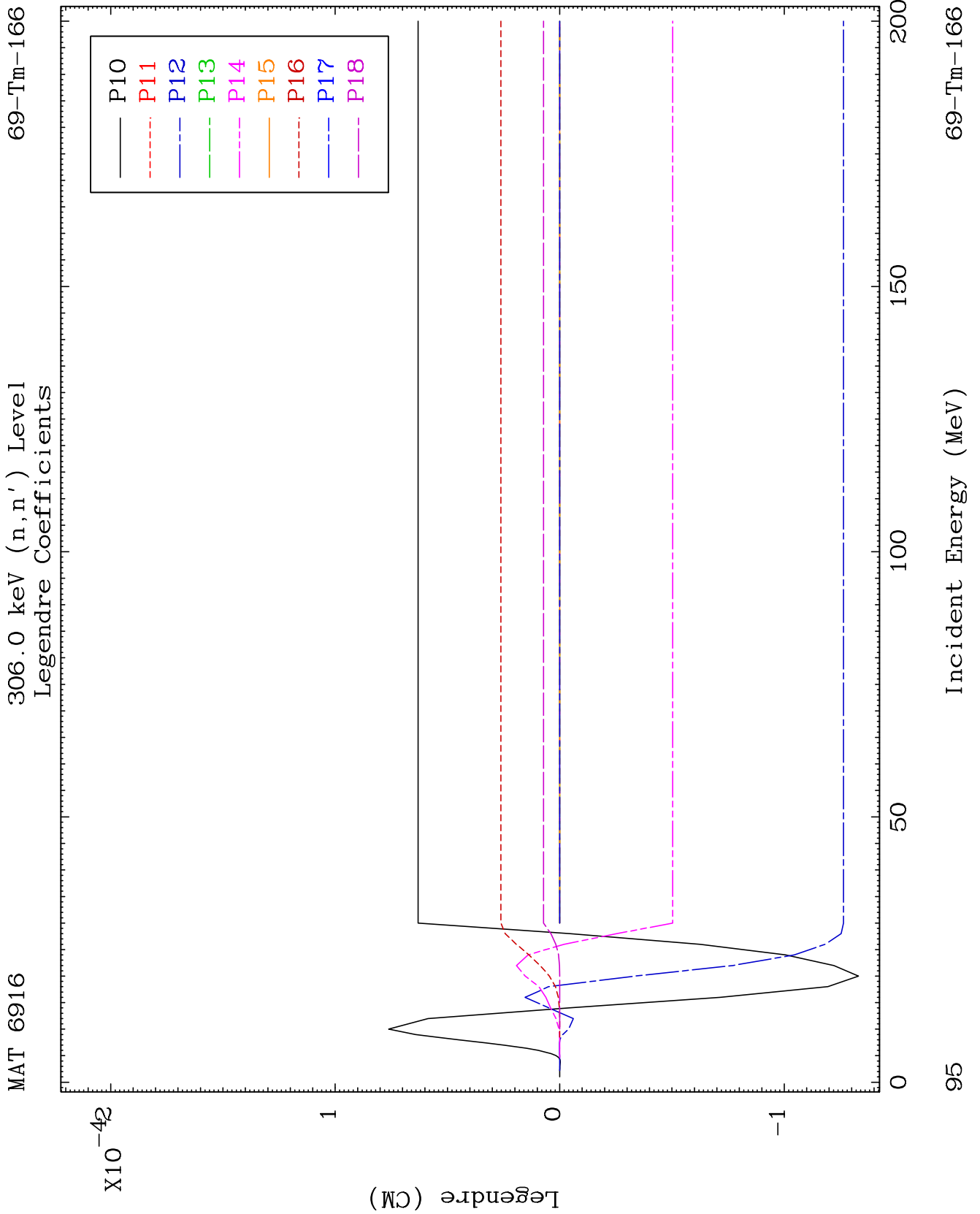
69-Tm-166

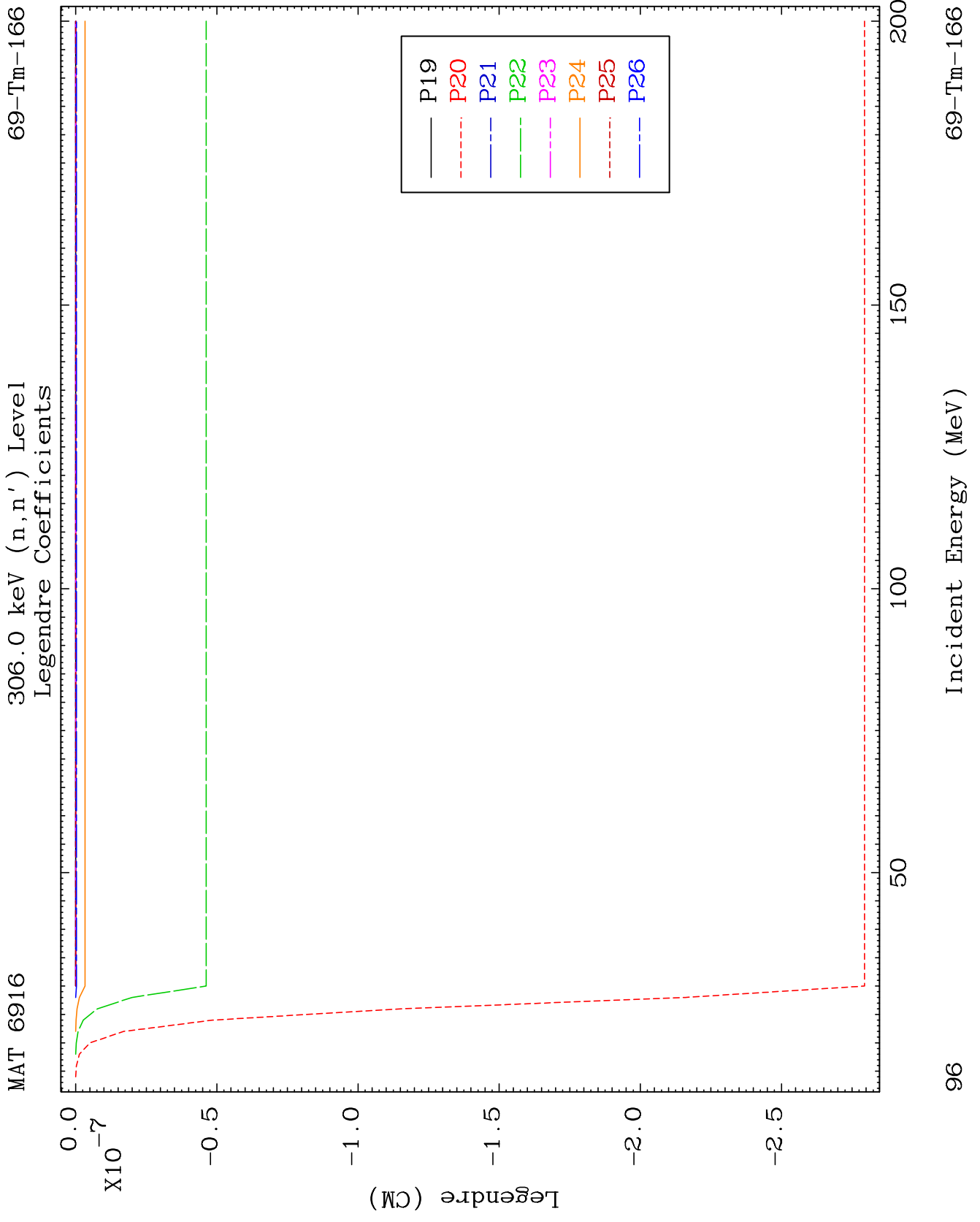


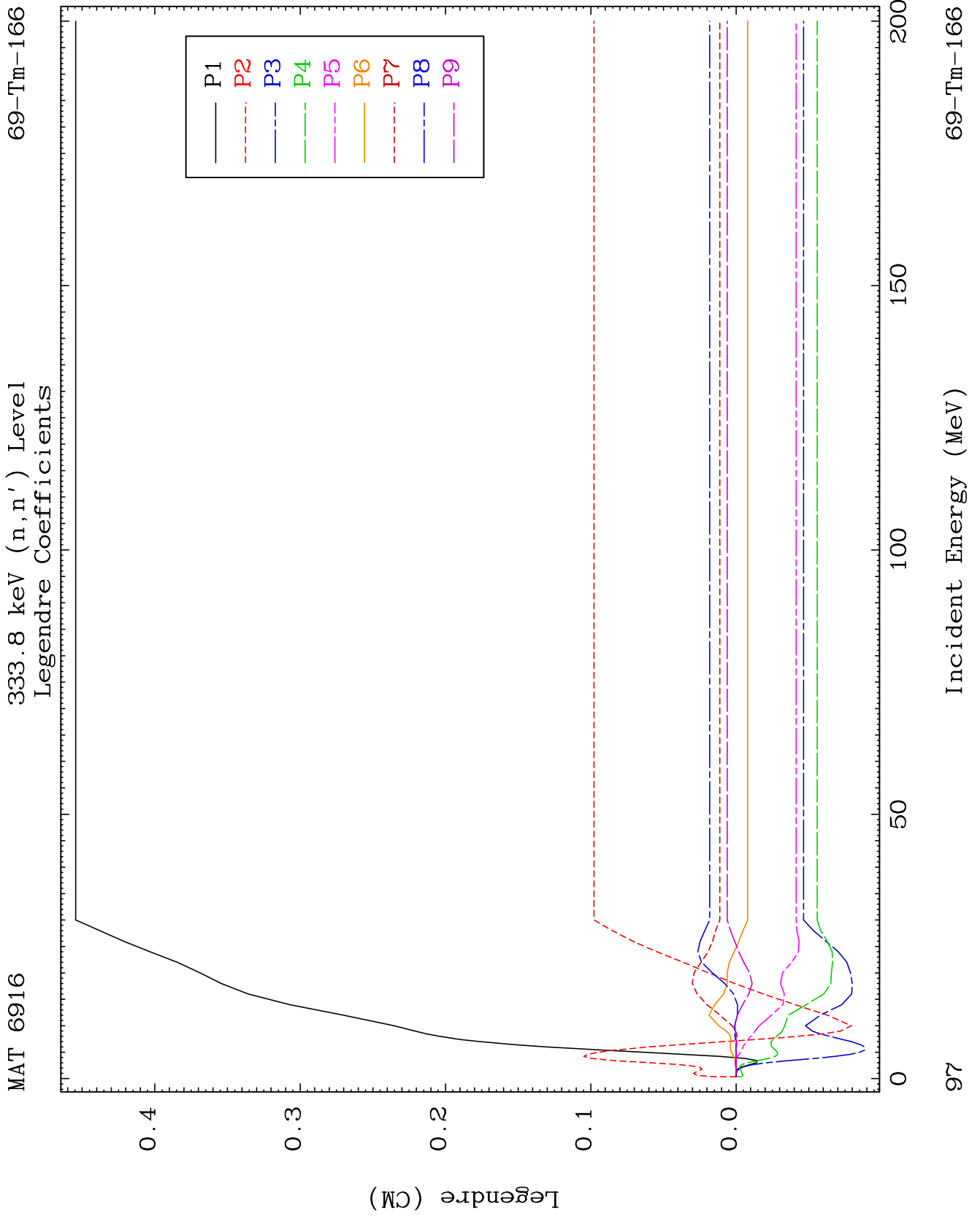
94

Incident Energy (MeV)

69-Tm-166



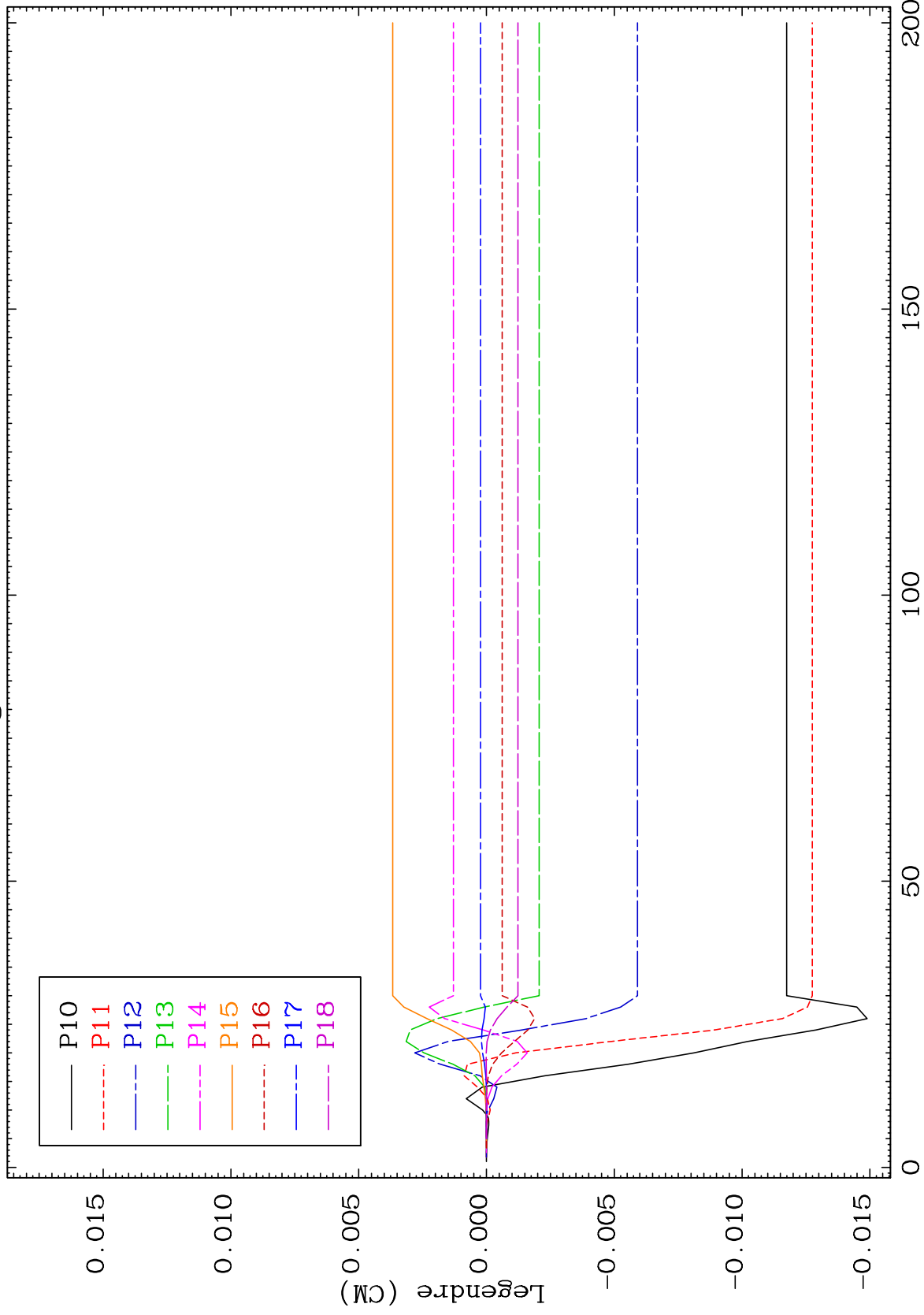




MAT 6916

333.8 keV (n,n') Level
Legendre Coefficients

69-Tm-166



98

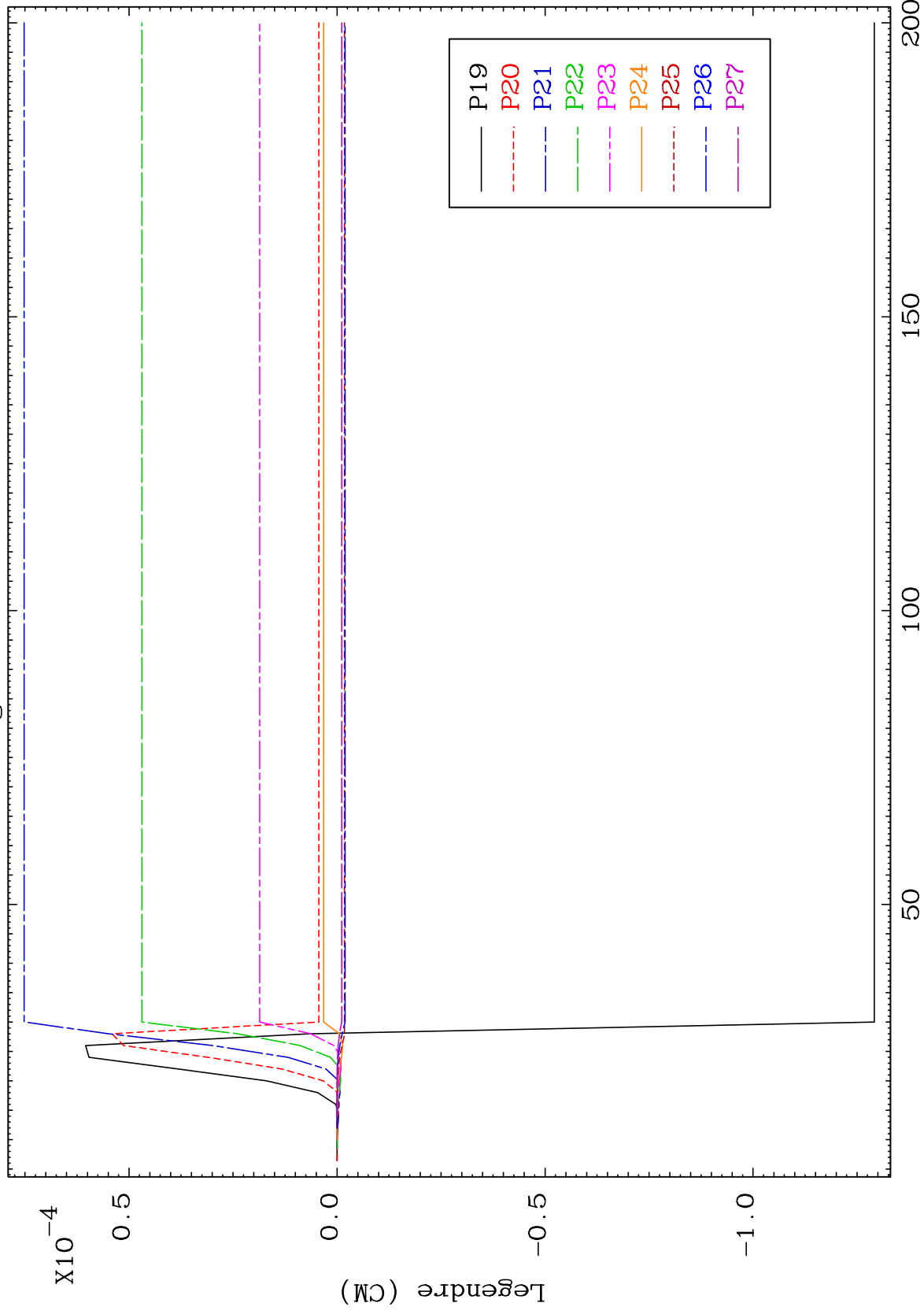
Incident Energy (MeV)

69-Tm-166

MAT 6916

333.8 keV (n,n') Level
Legendre Coefficients

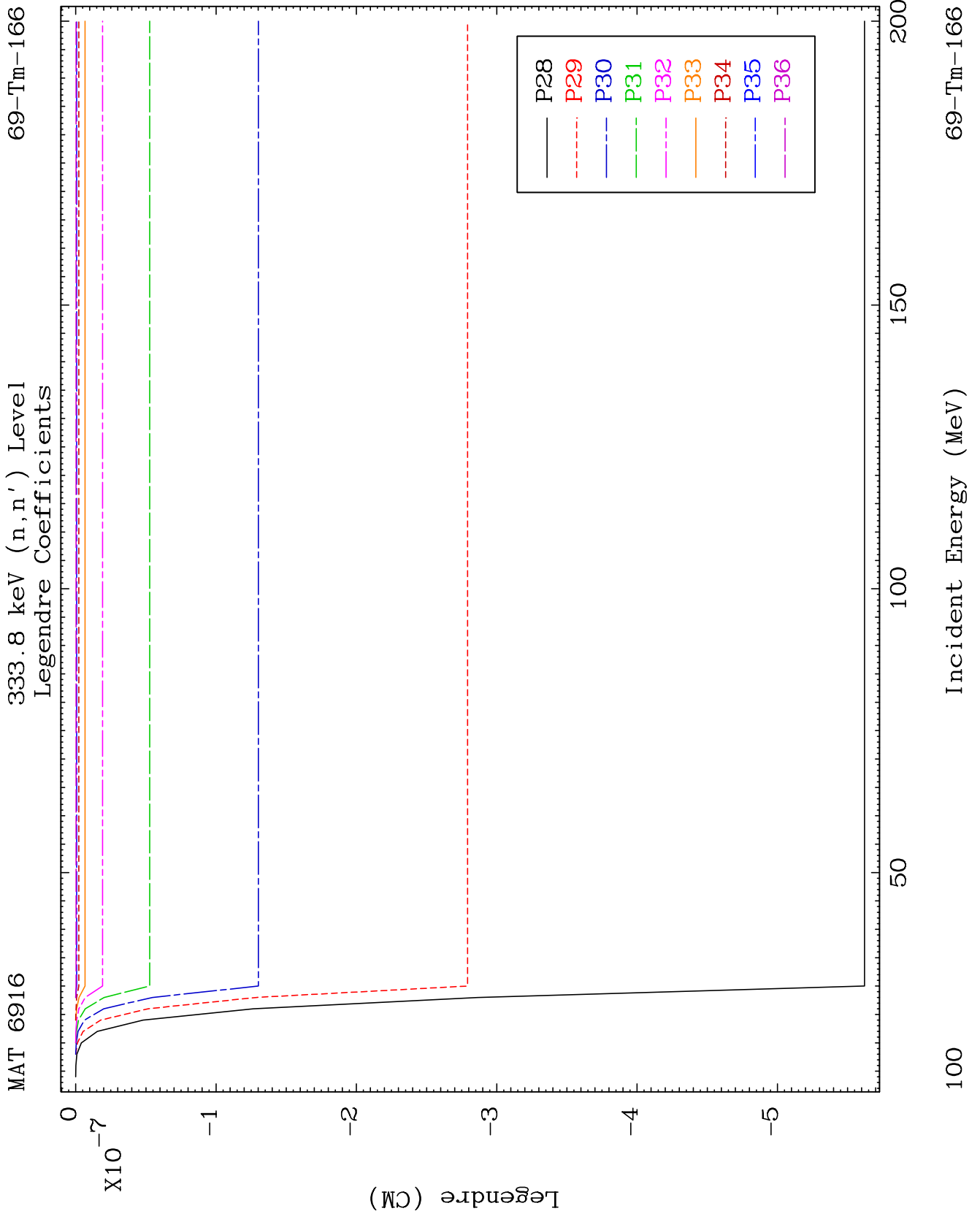
69-Tm-166



99

Incident Energy (MeV)

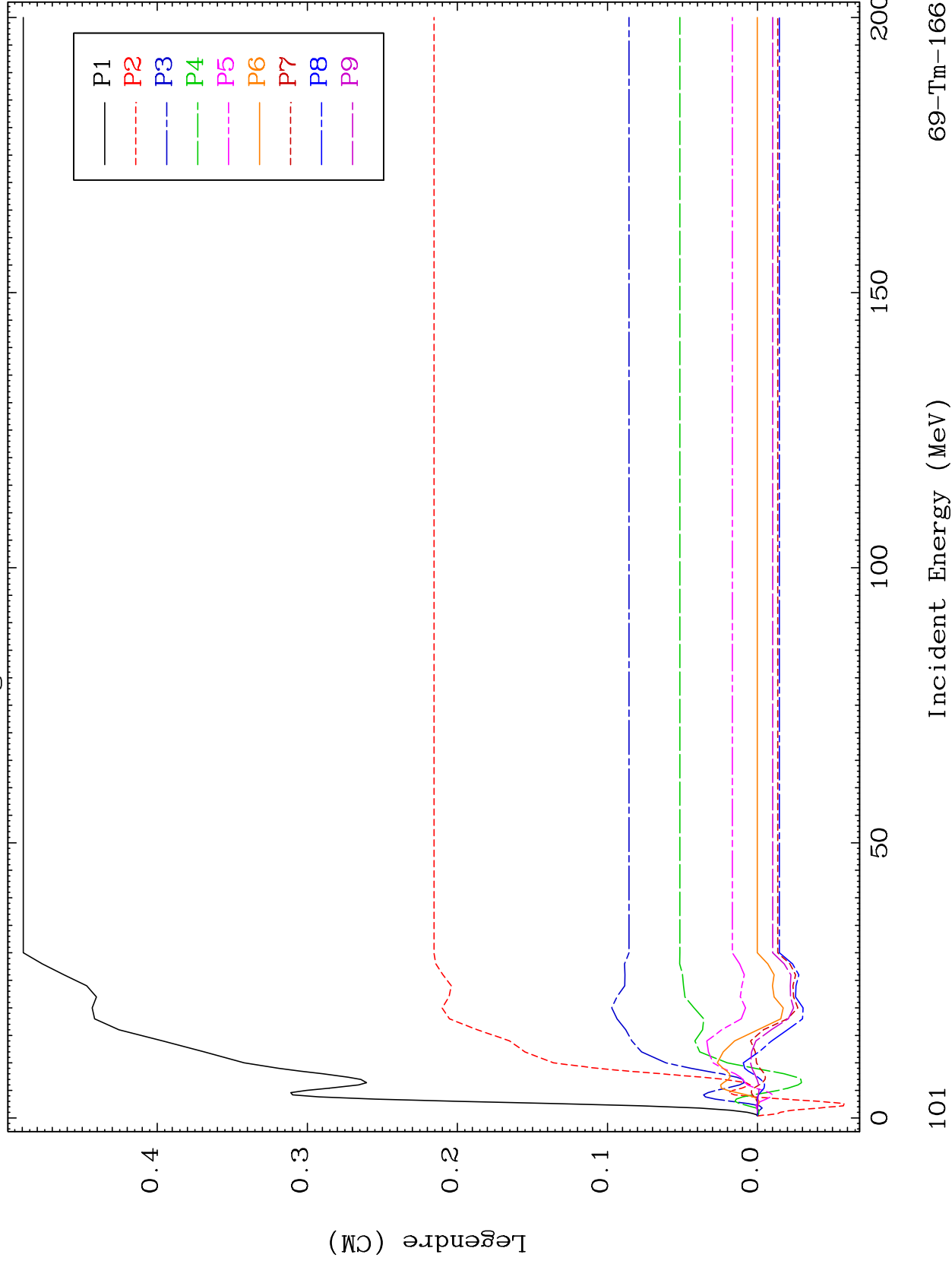
69-Tm-166



MAT 6916

337.9 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

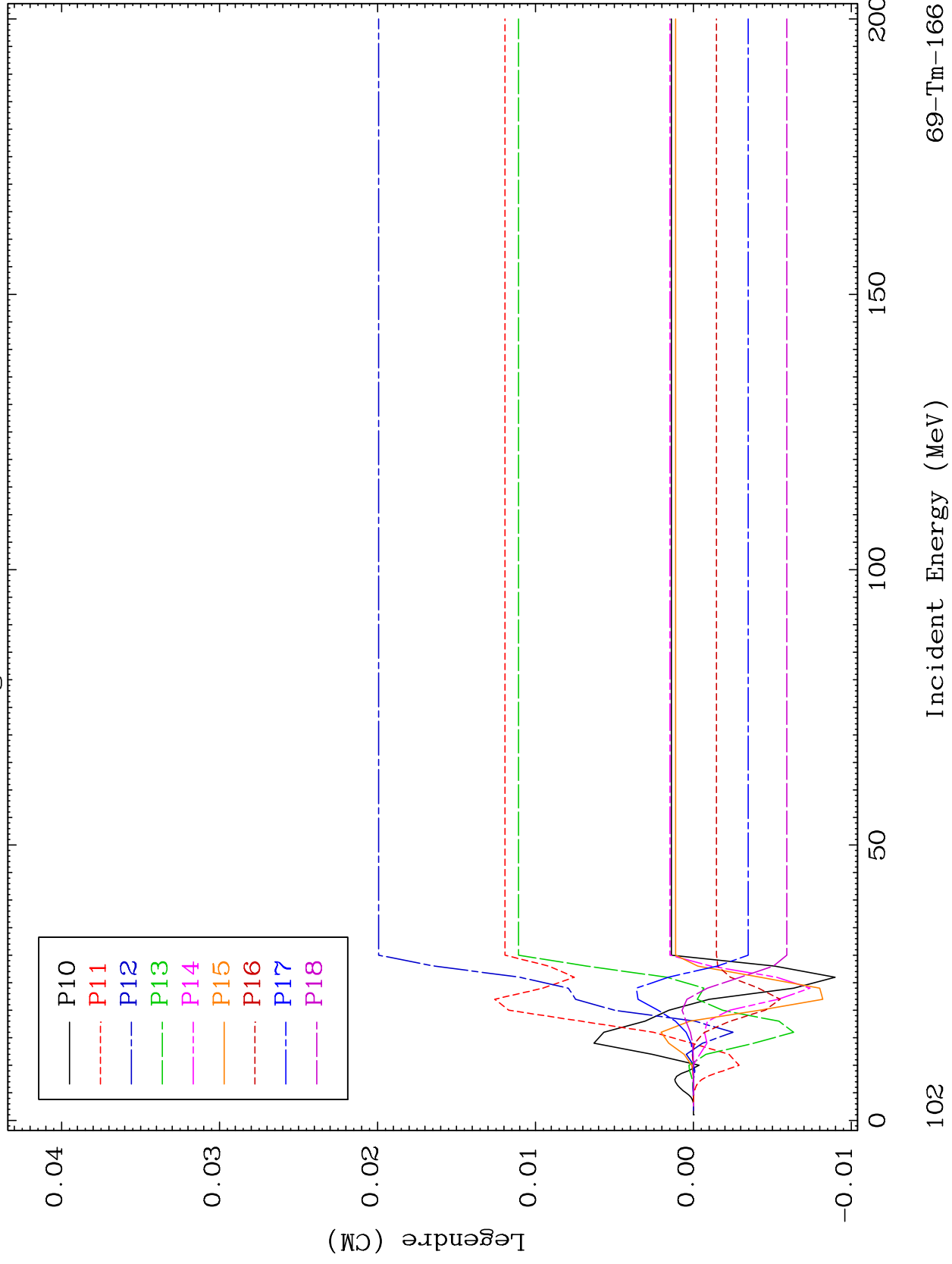
Incident Energy (MeV)

101

MAT 6916

337.9 keV (n,n') Level
Legendre Coefficients

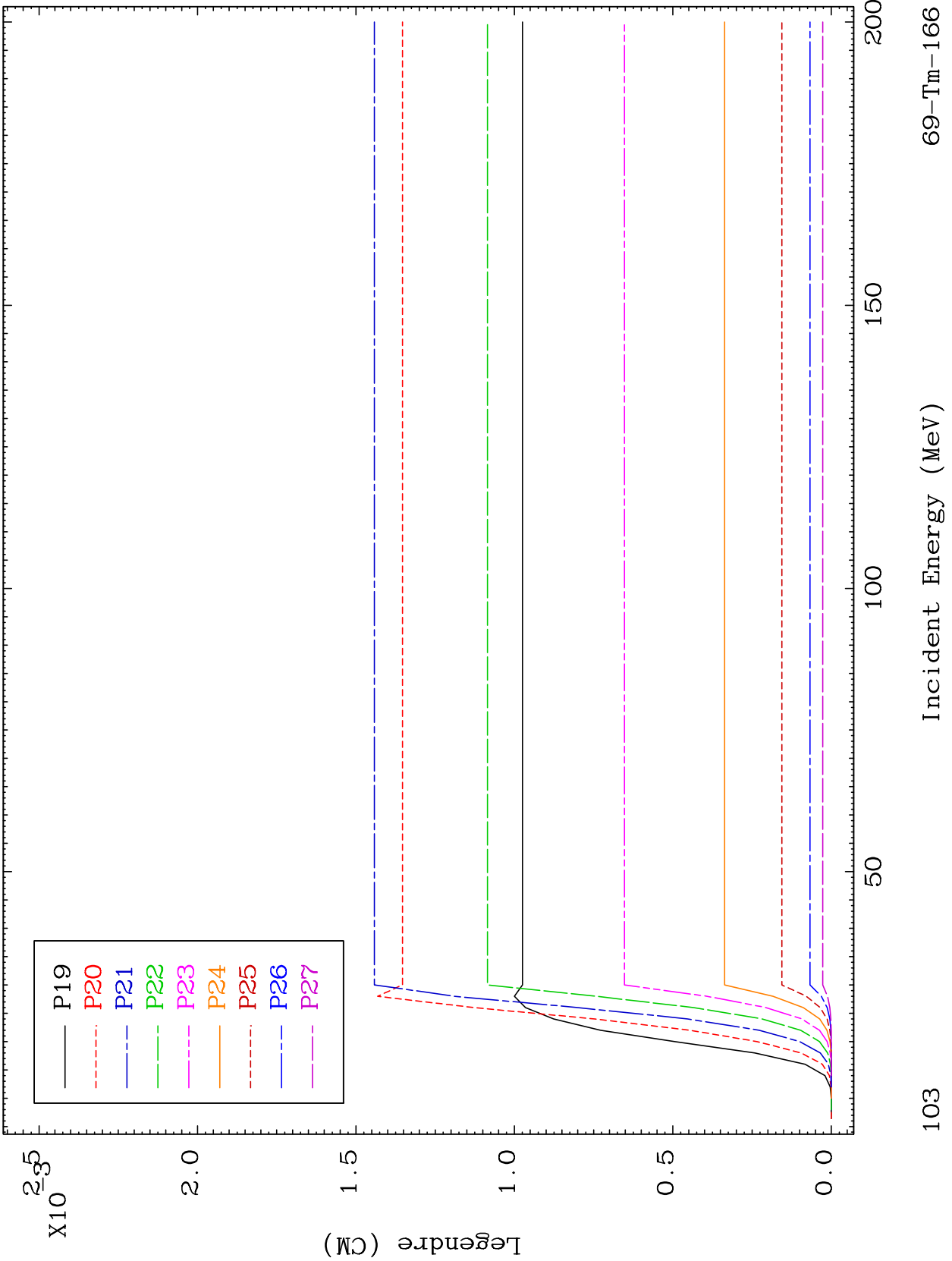
69-Tm-166



69-Tm-166

Incident Energy (MeV)

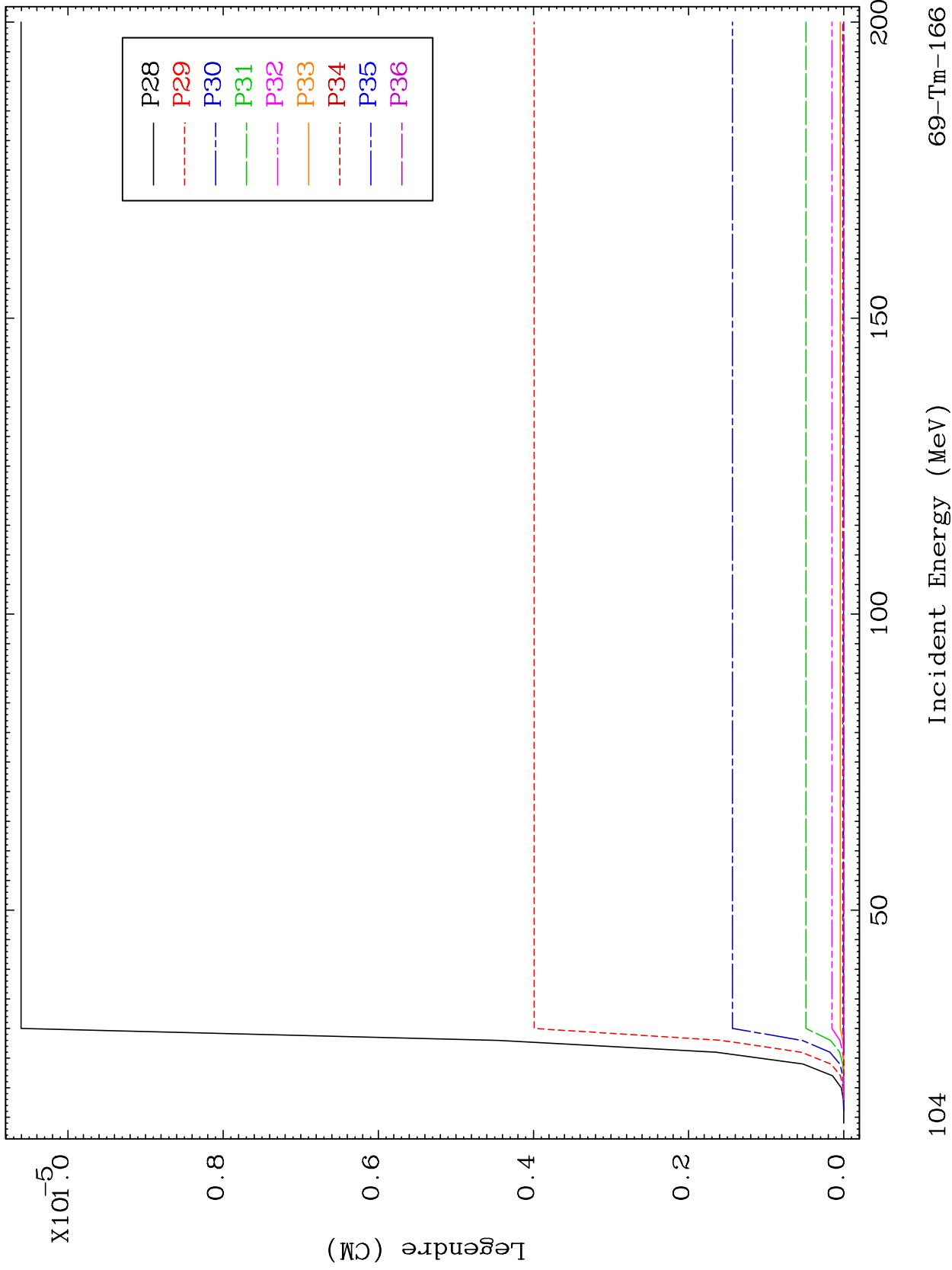
102



MAT 6916

337.9 keV (n,n') Level
Legendre Coefficients

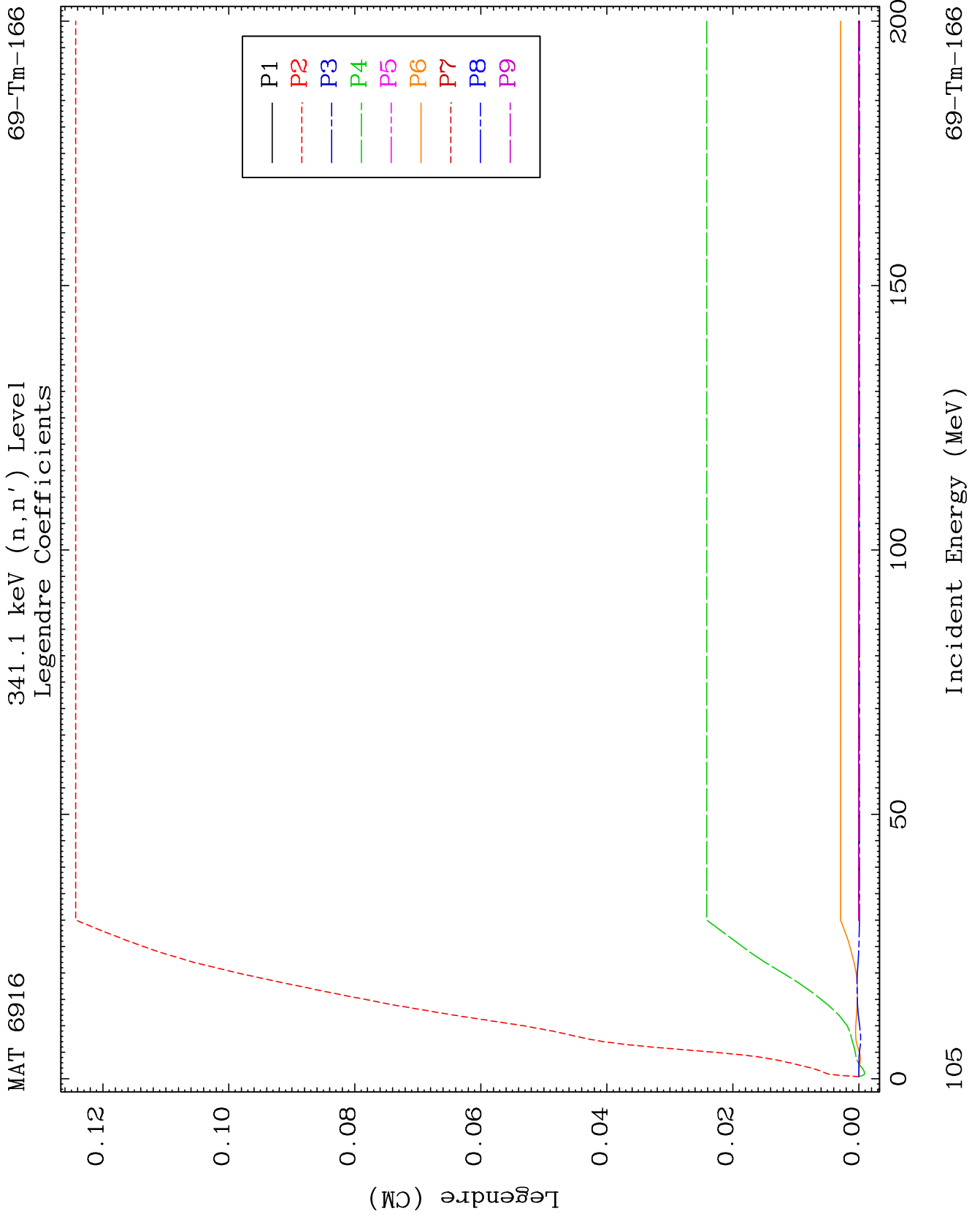
69-Tm-166



104

Incident Energy (MeV)

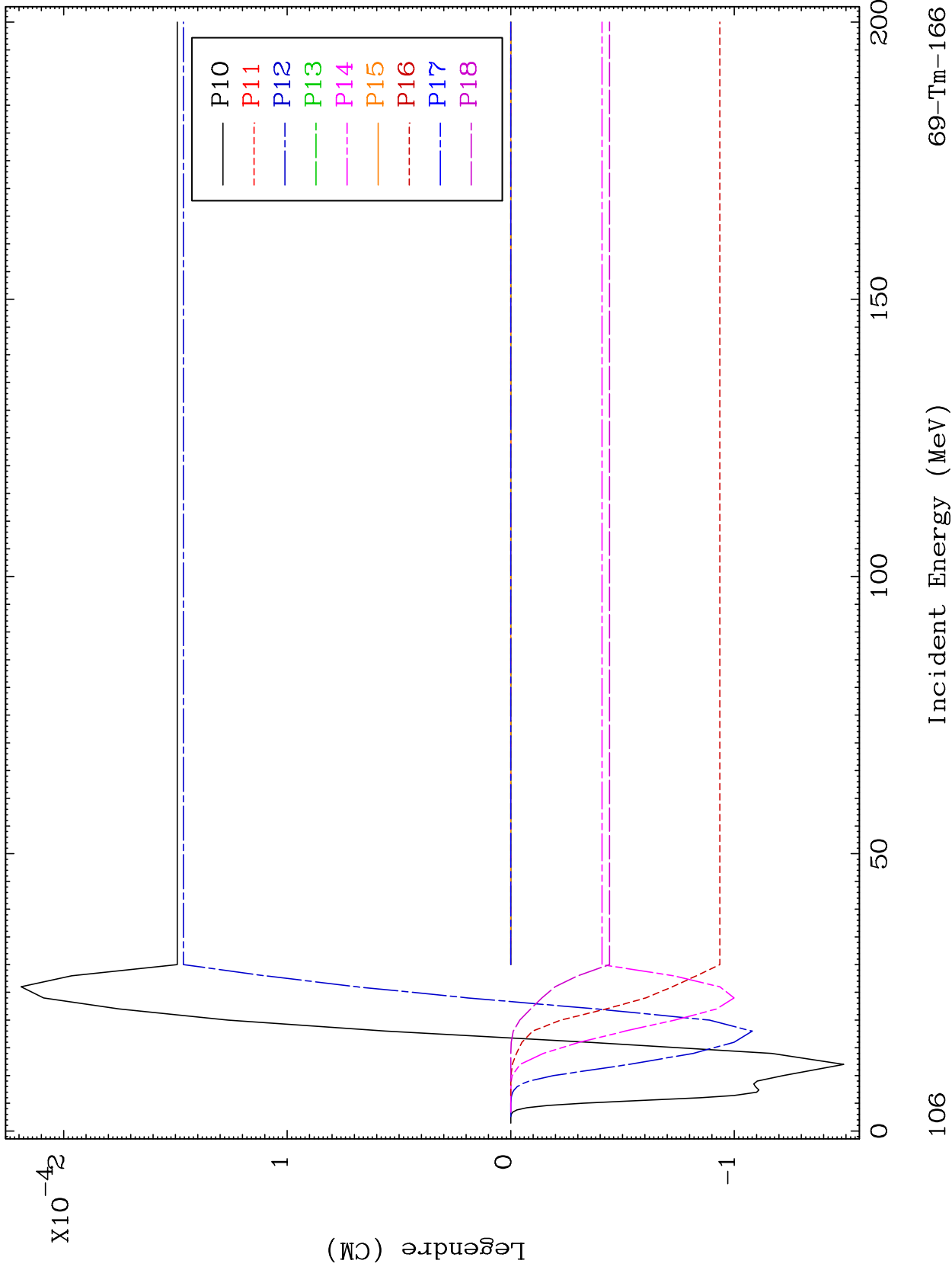
69-Tm-166



MAT 6916

341.1 keV (n,n') Level
Legendre Coefficients

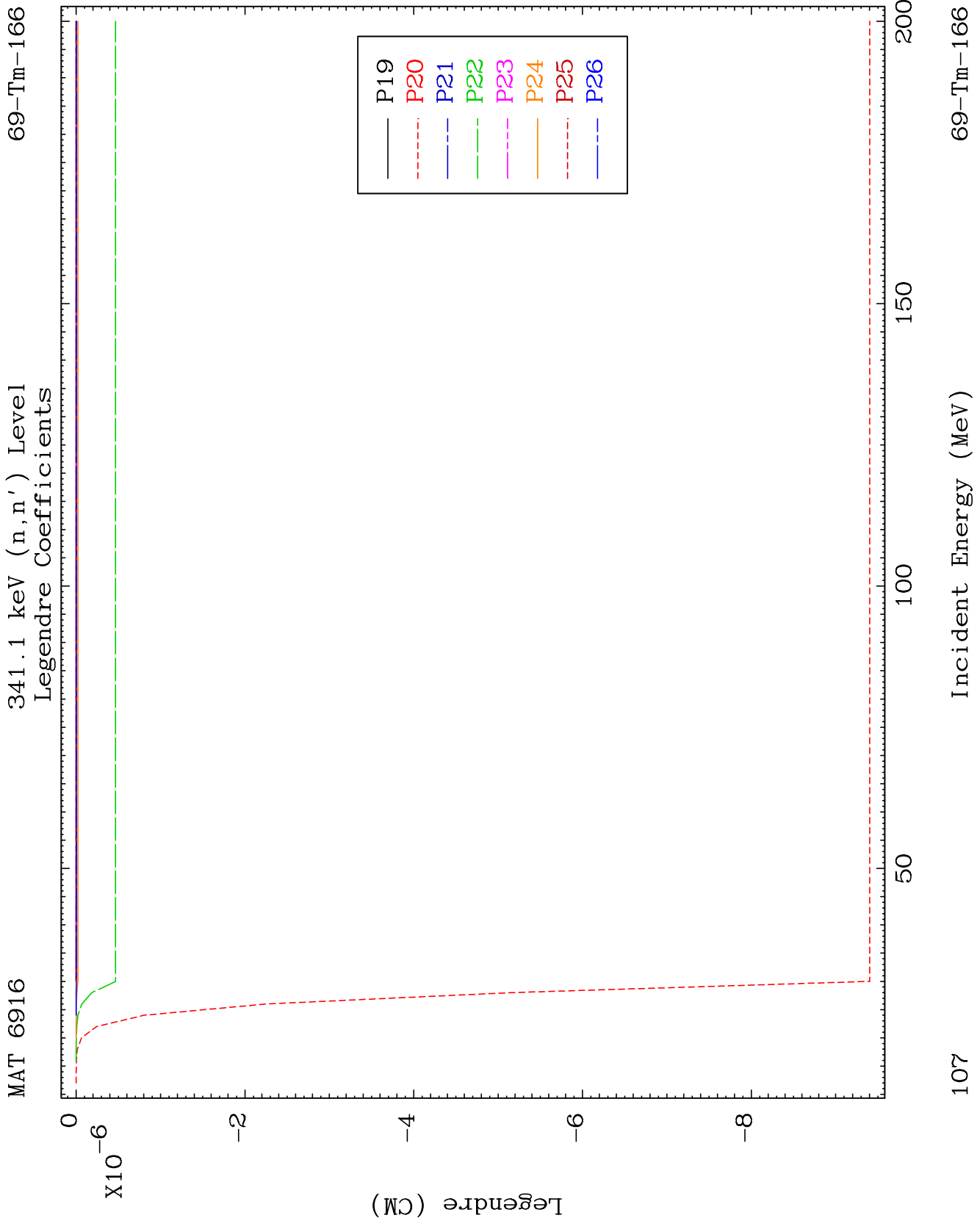
69-Tm-166

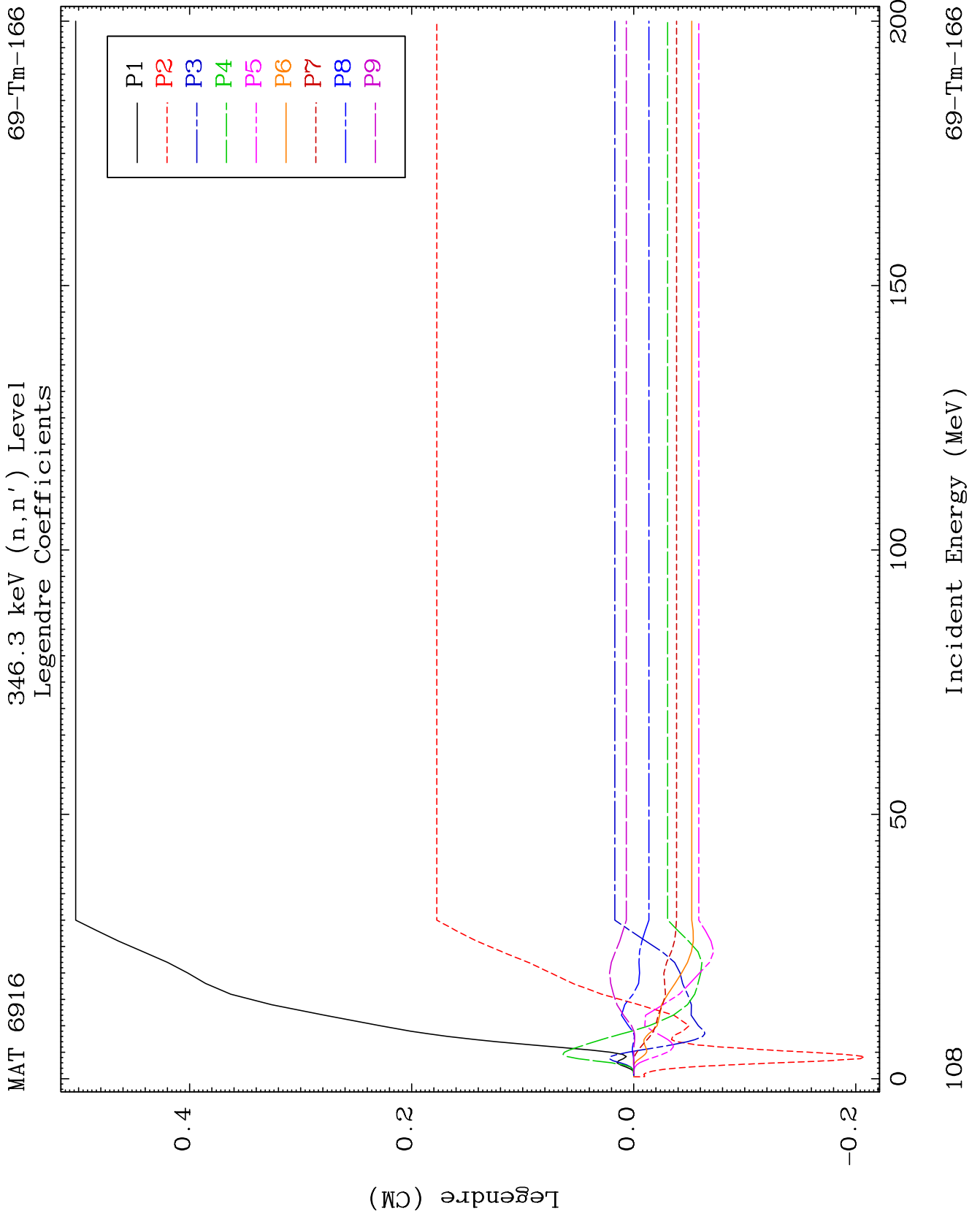


106

Incident Energy (MeV)

69-Tm-166

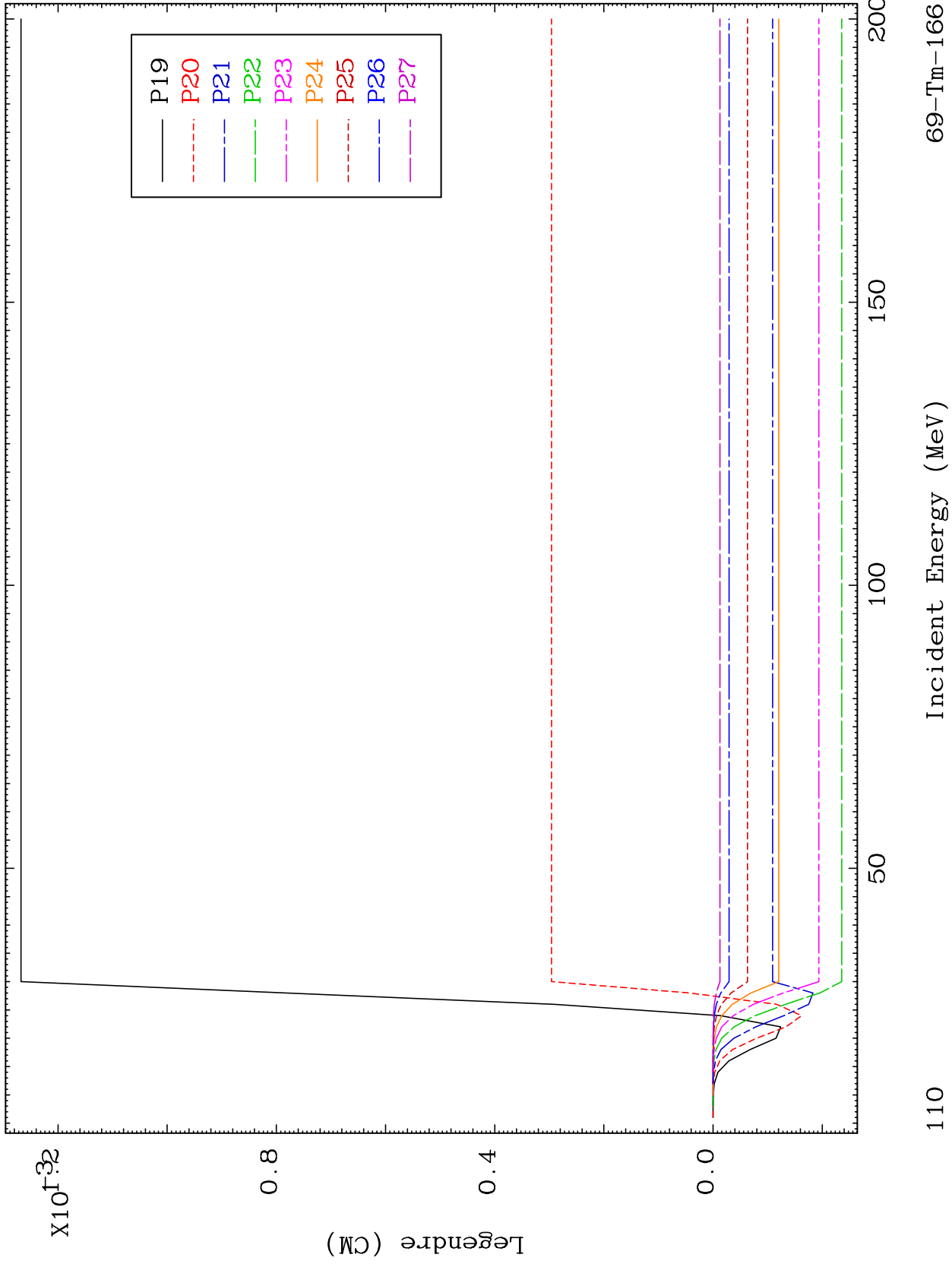




MAT 6916

346.3 keV (n, n') Level
Legendre Coefficients

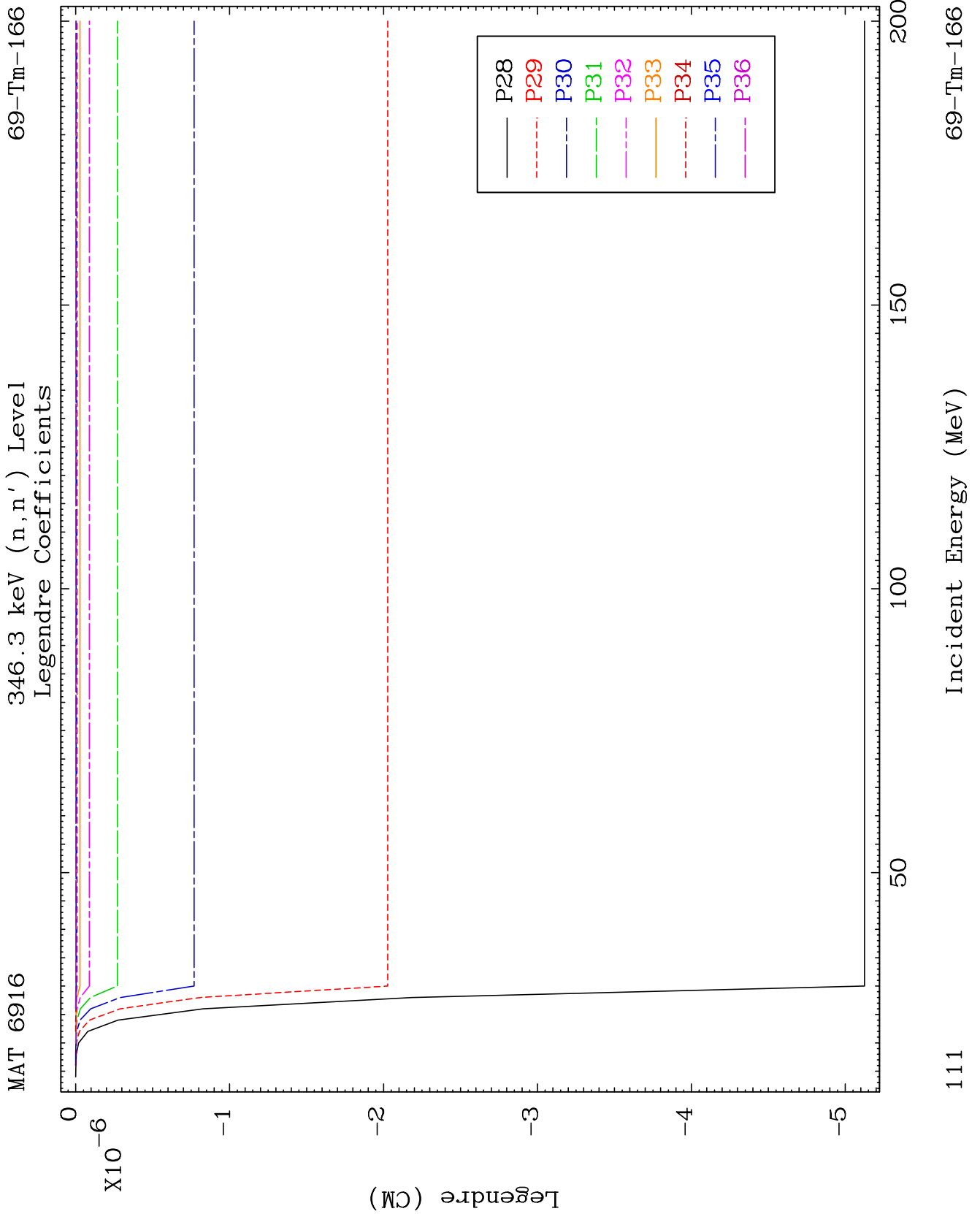
69-Tm-166



110

Incident Energy (MeV)

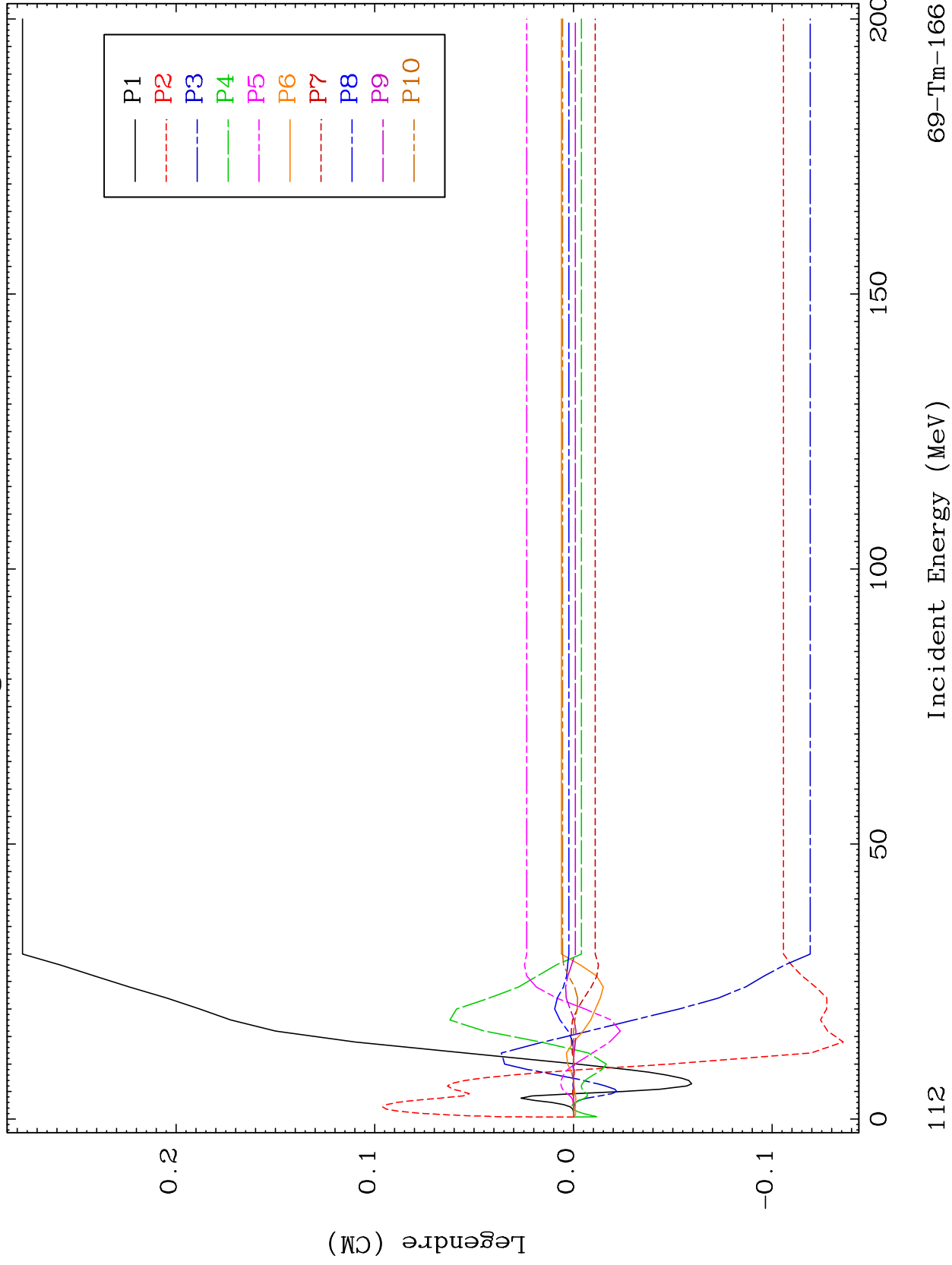
69-Tm-166



MAT 6916

350.2 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

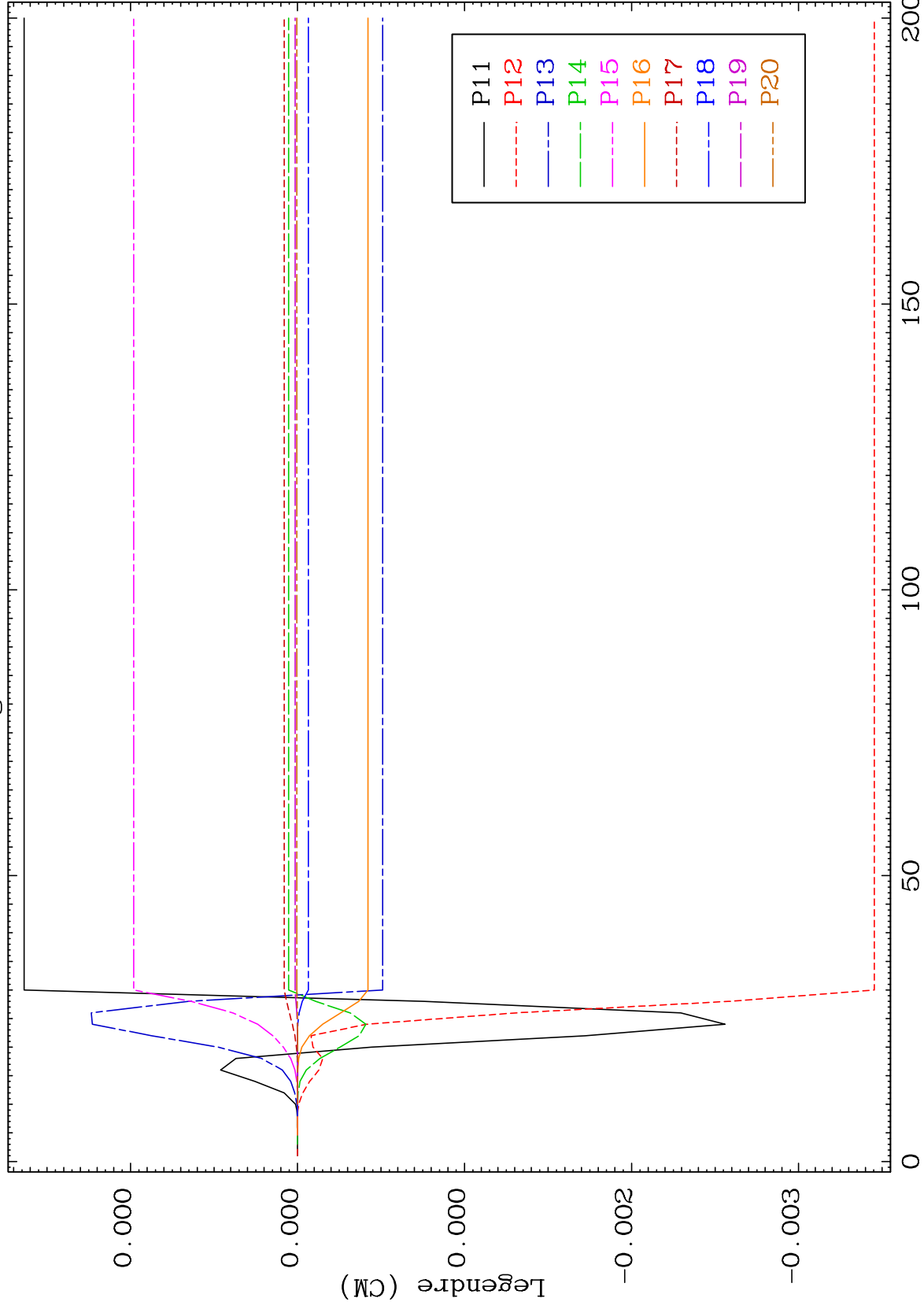
Incident Energy (MeV)

112

MAT 6916

350.2 keV (n,n') Level
Legendre Coefficients

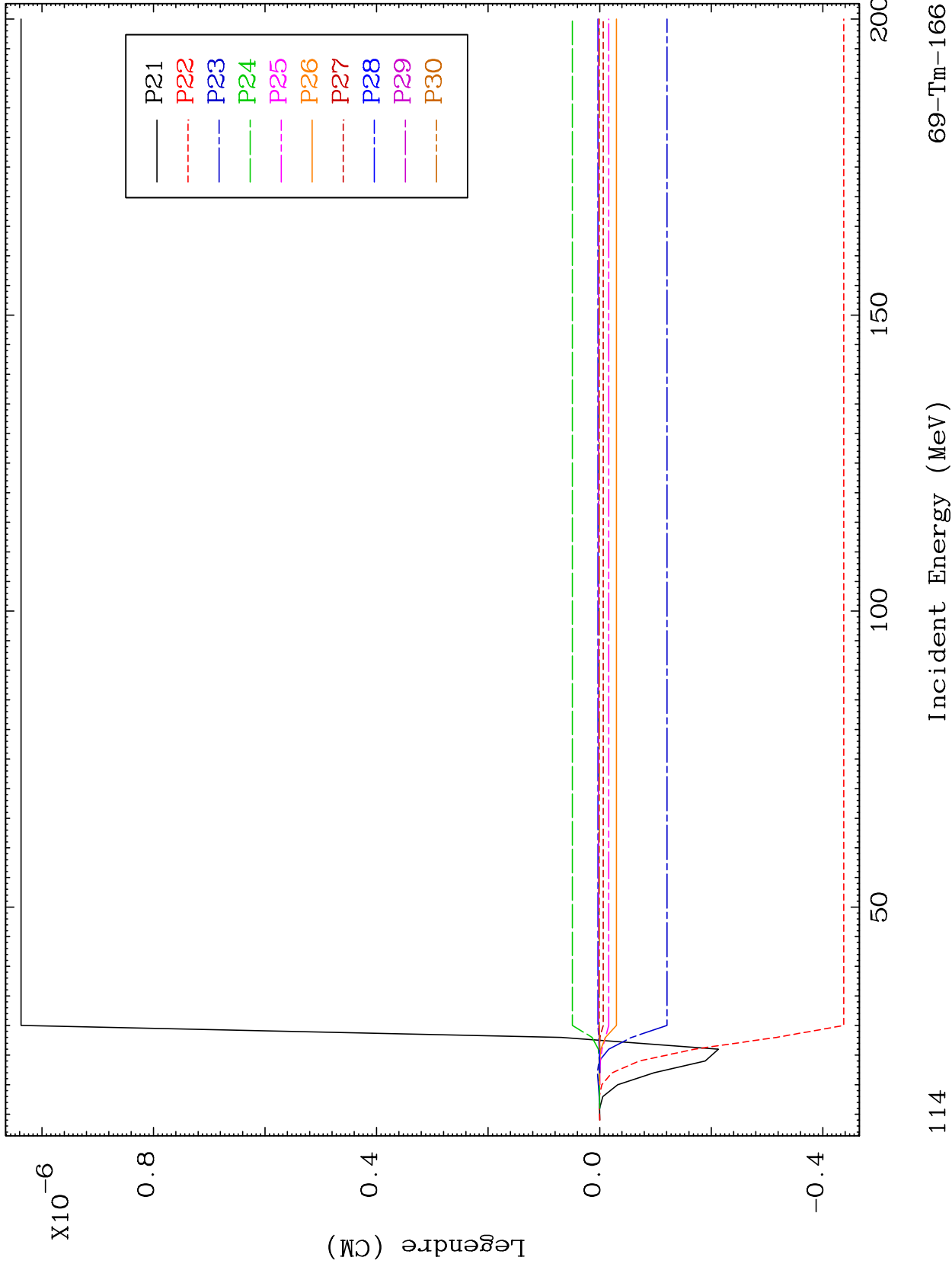
69-Tm-166

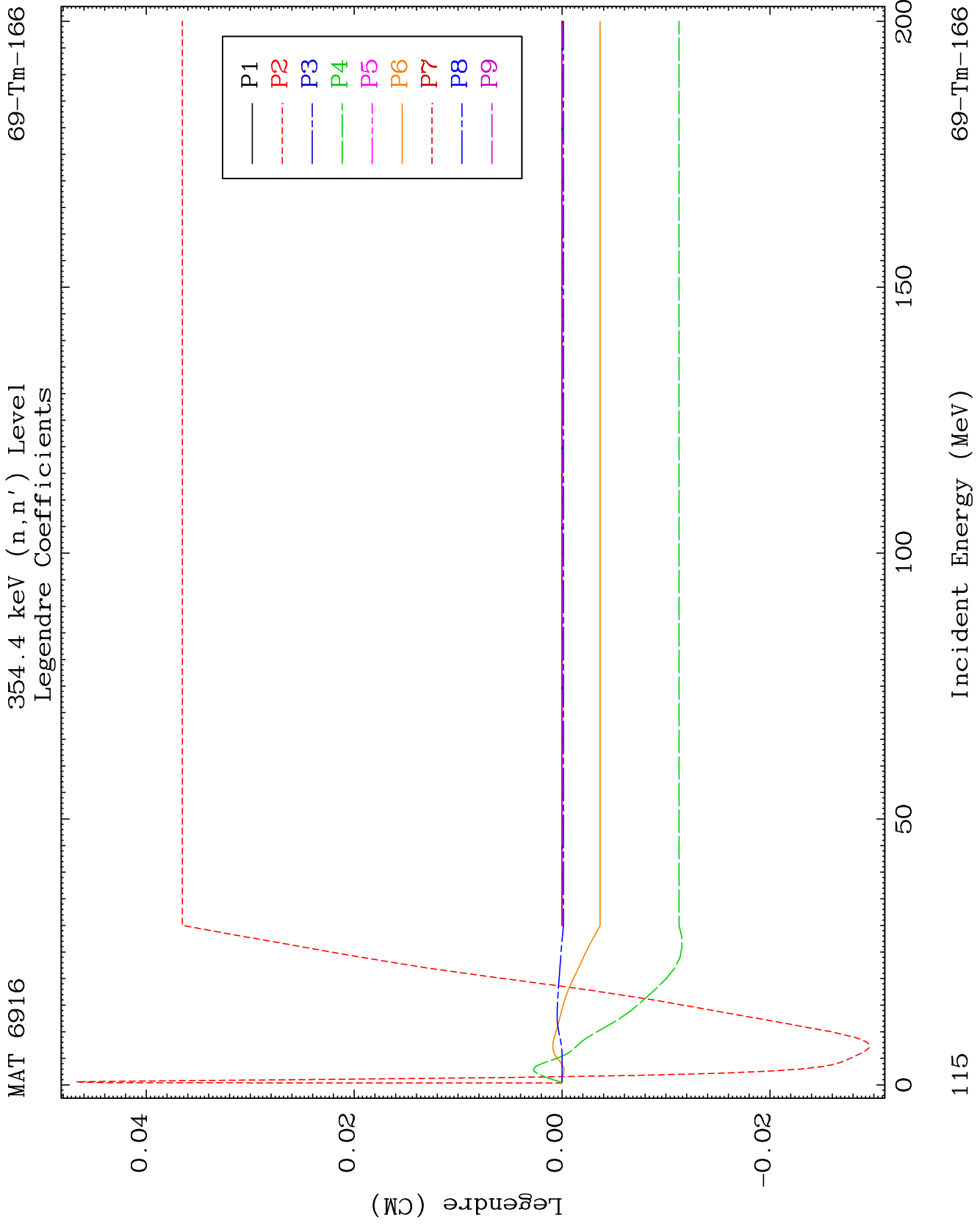


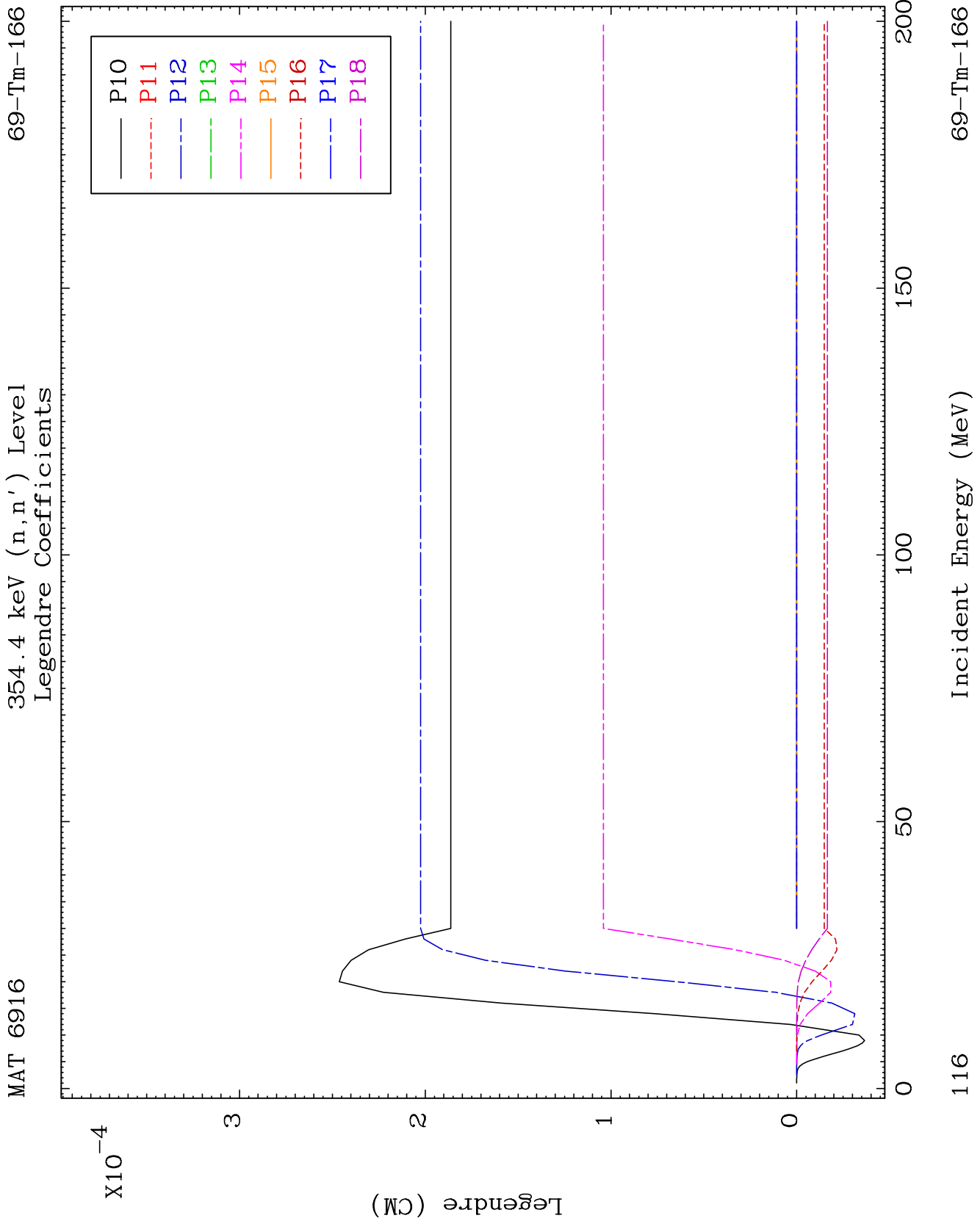
113

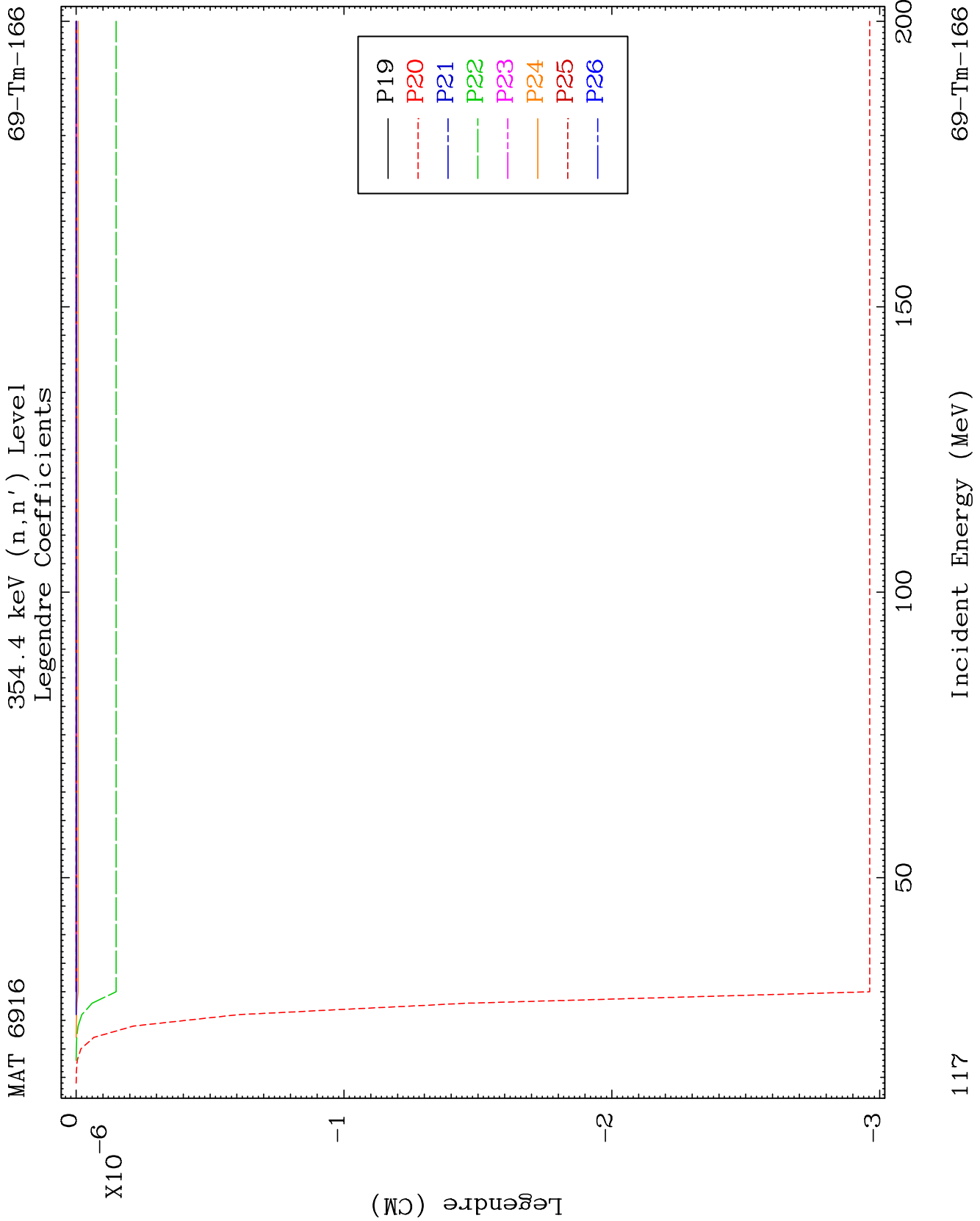
Incident Energy (MeV)

69-Tm-166





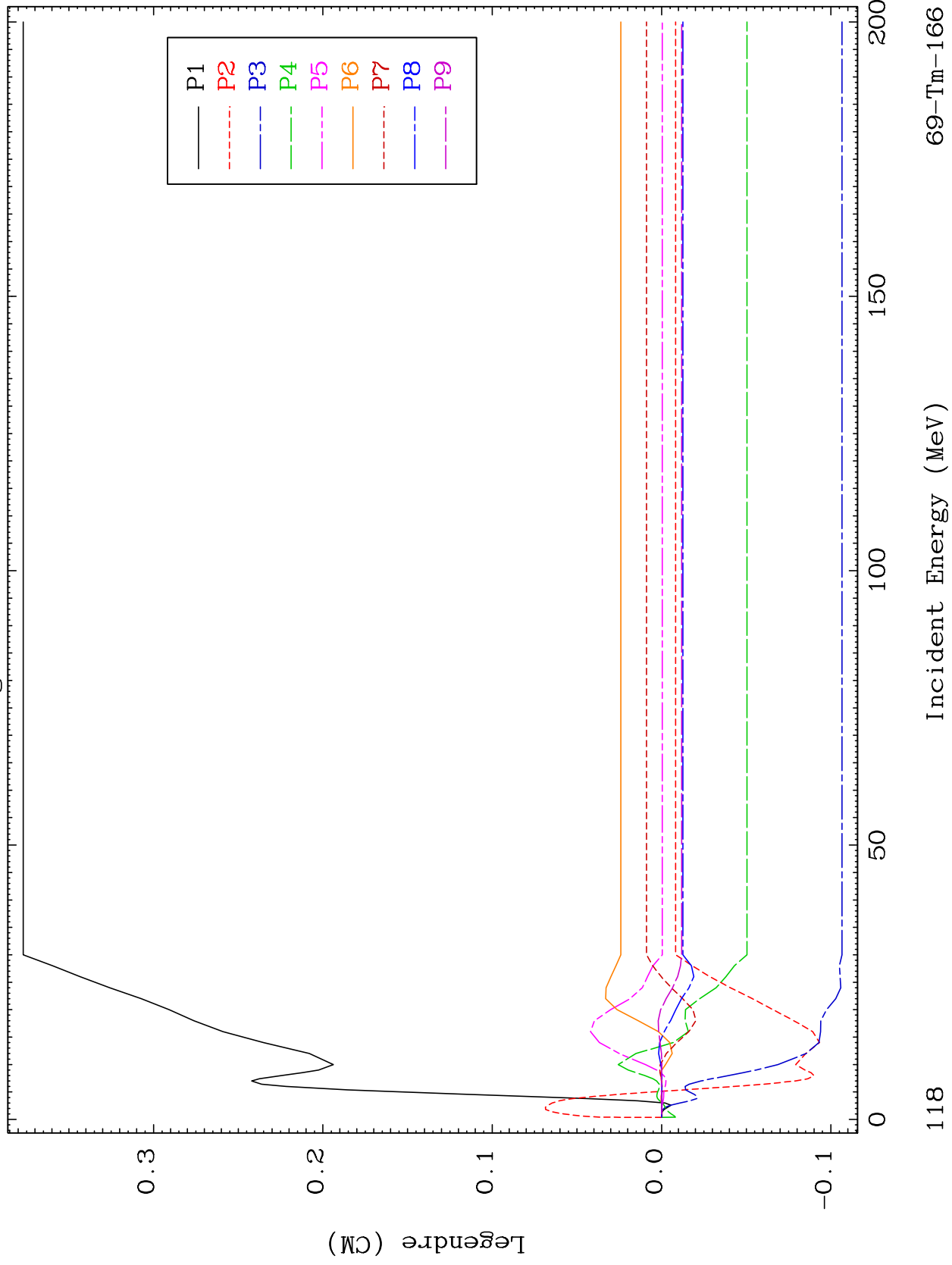




MAT 6916

357.7 keV (n,n') Level
Legendre Coefficients

69-Tm-166



69-Tm-166

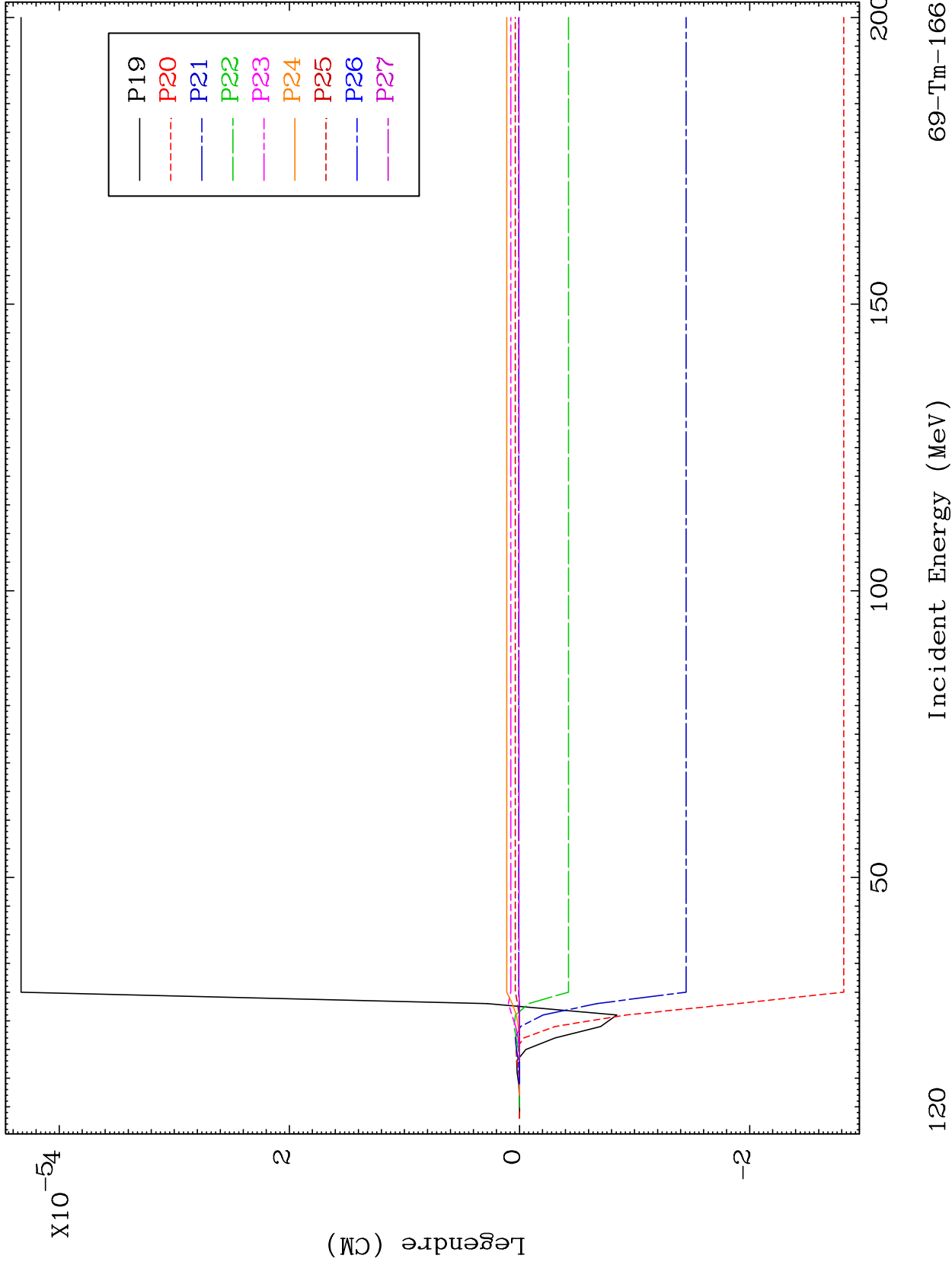
Incident Energy (MeV)

118

MAT 6916

357.7 keV (n,n') Level
Legendre Coefficients

69-Tm-166



120

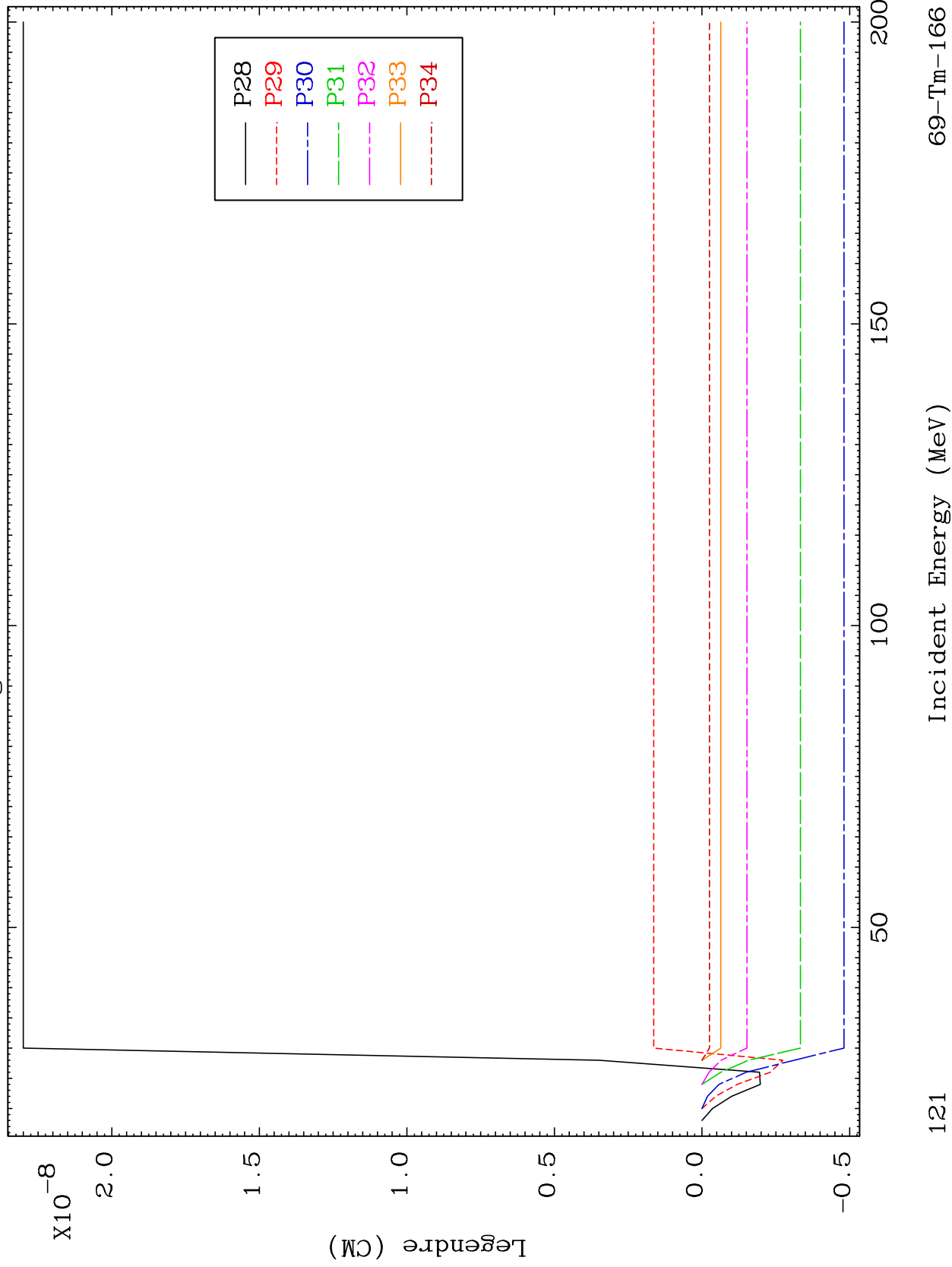
Incident Energy (MeV)

69-Tm-166

MAT 6916

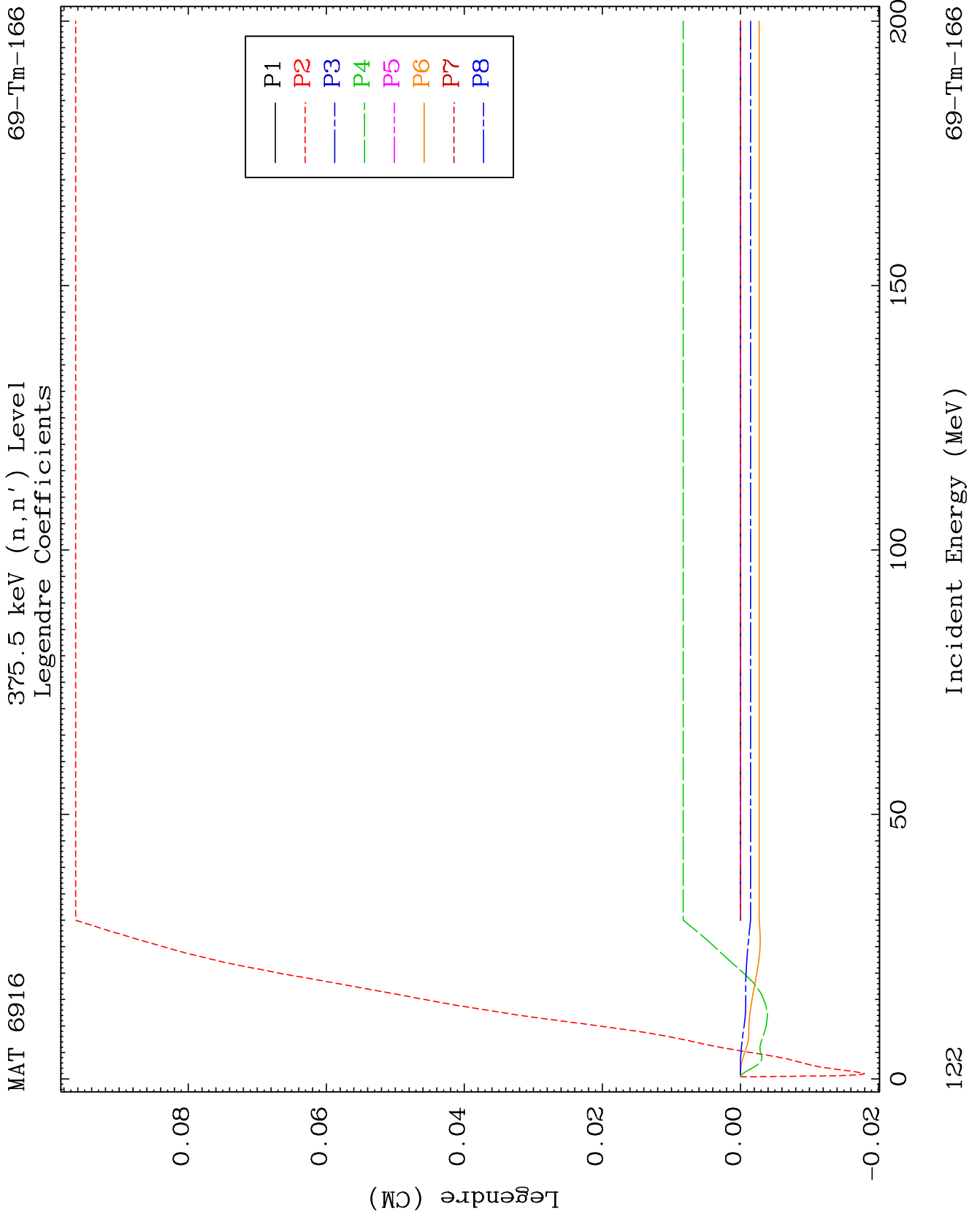
357.7 keV (n,n') Level
Legendre Coefficients

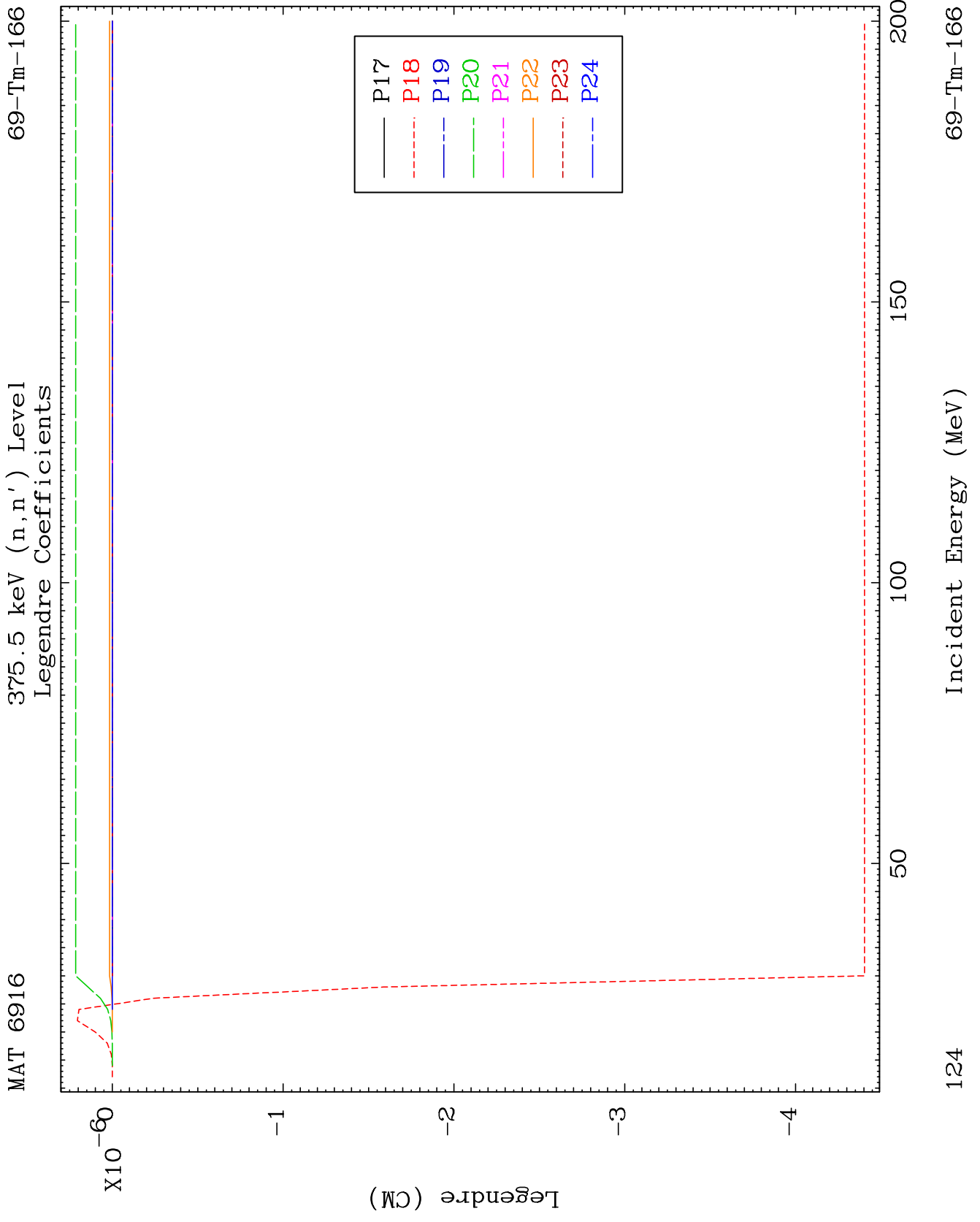
69-Tm-166



121

69-Tm-166

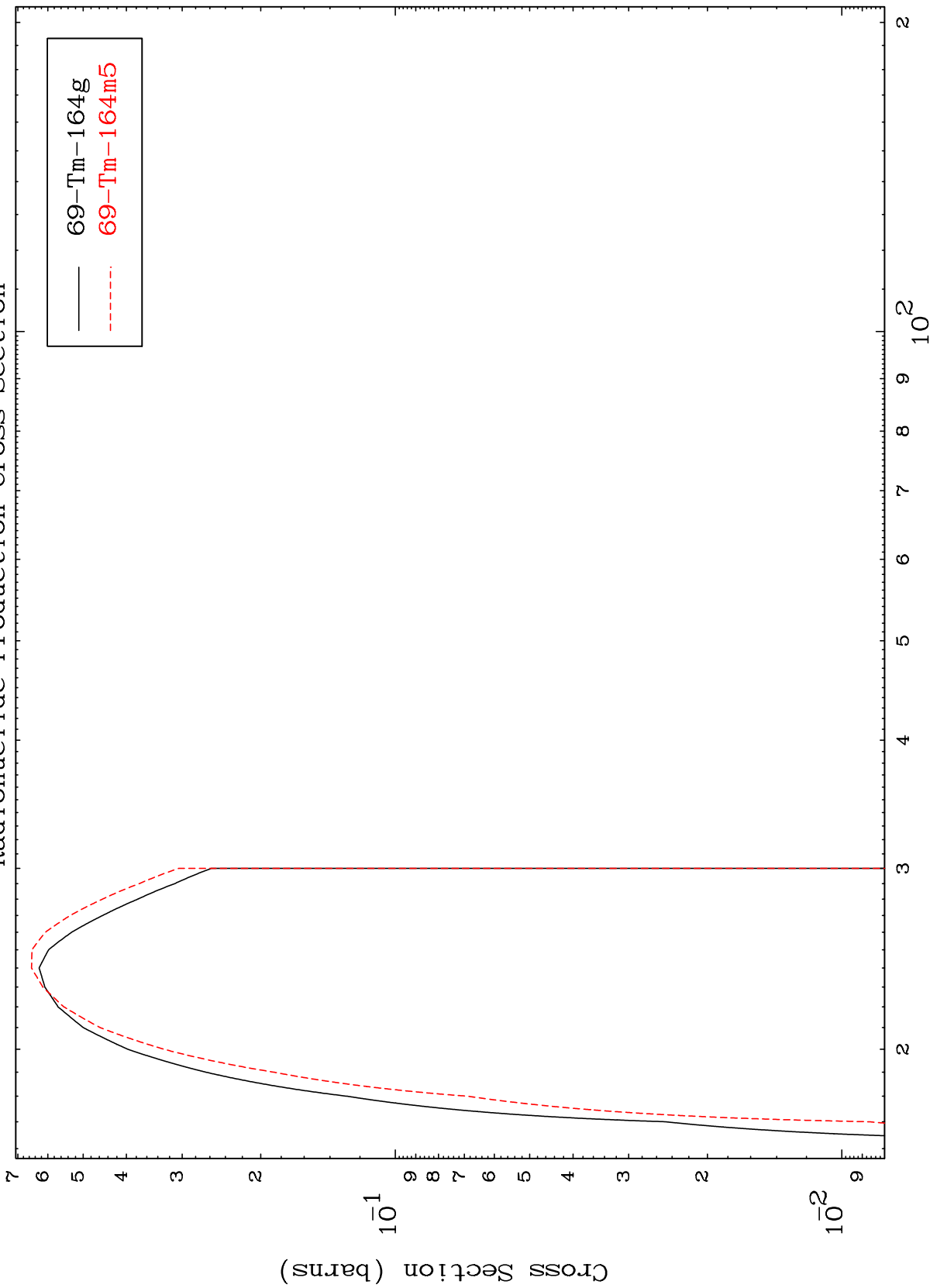




MAT 6916

69-Tm-166

(n,3n)
Radionuclide Production Cross Section



125

Incident Energy (MeV)

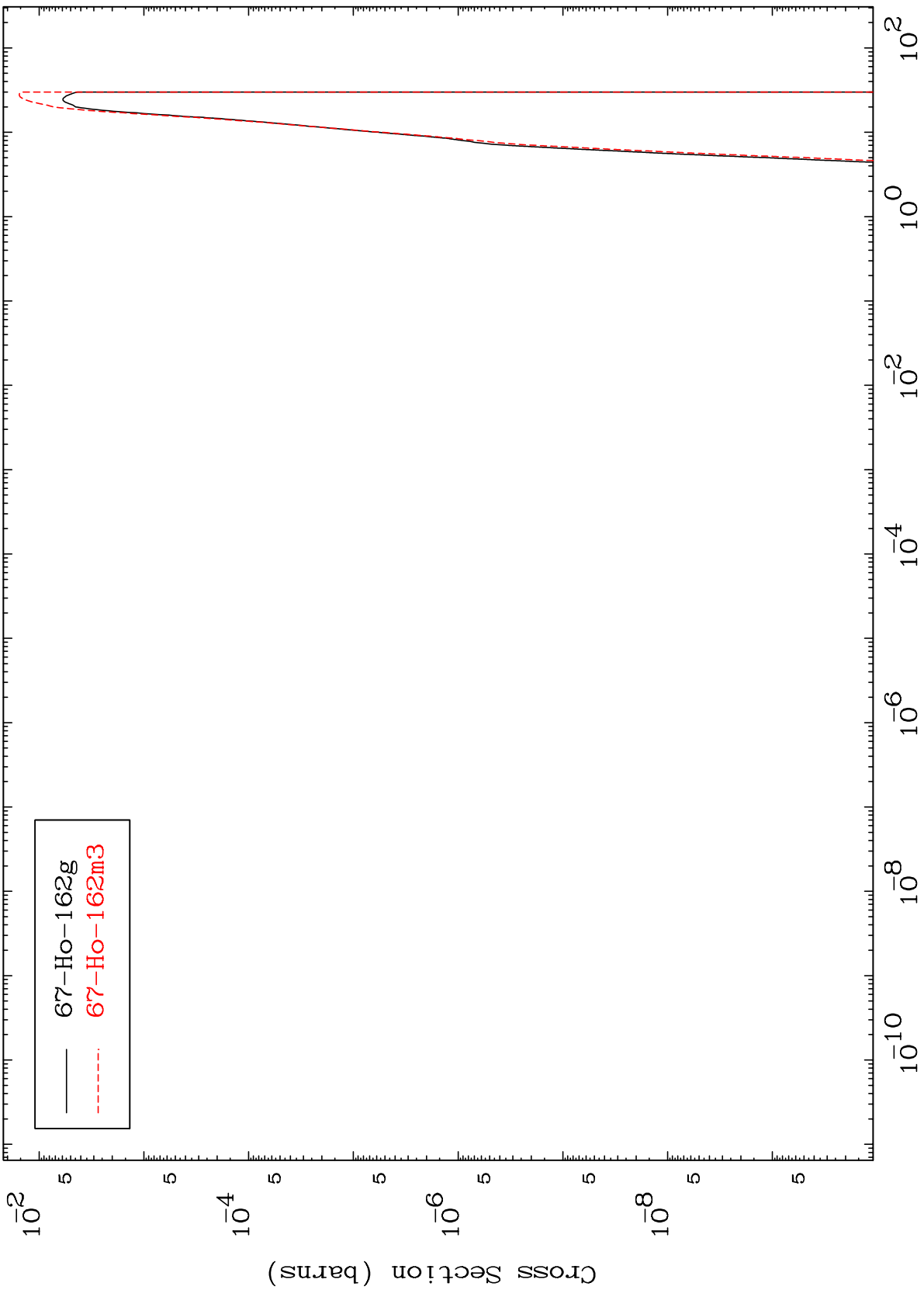
69-Tm-166

MAT 6916

$(n, n') \alpha$

69-Tm-166

Radionuclide Production Cross Section



126

Incident Energy (MeV)

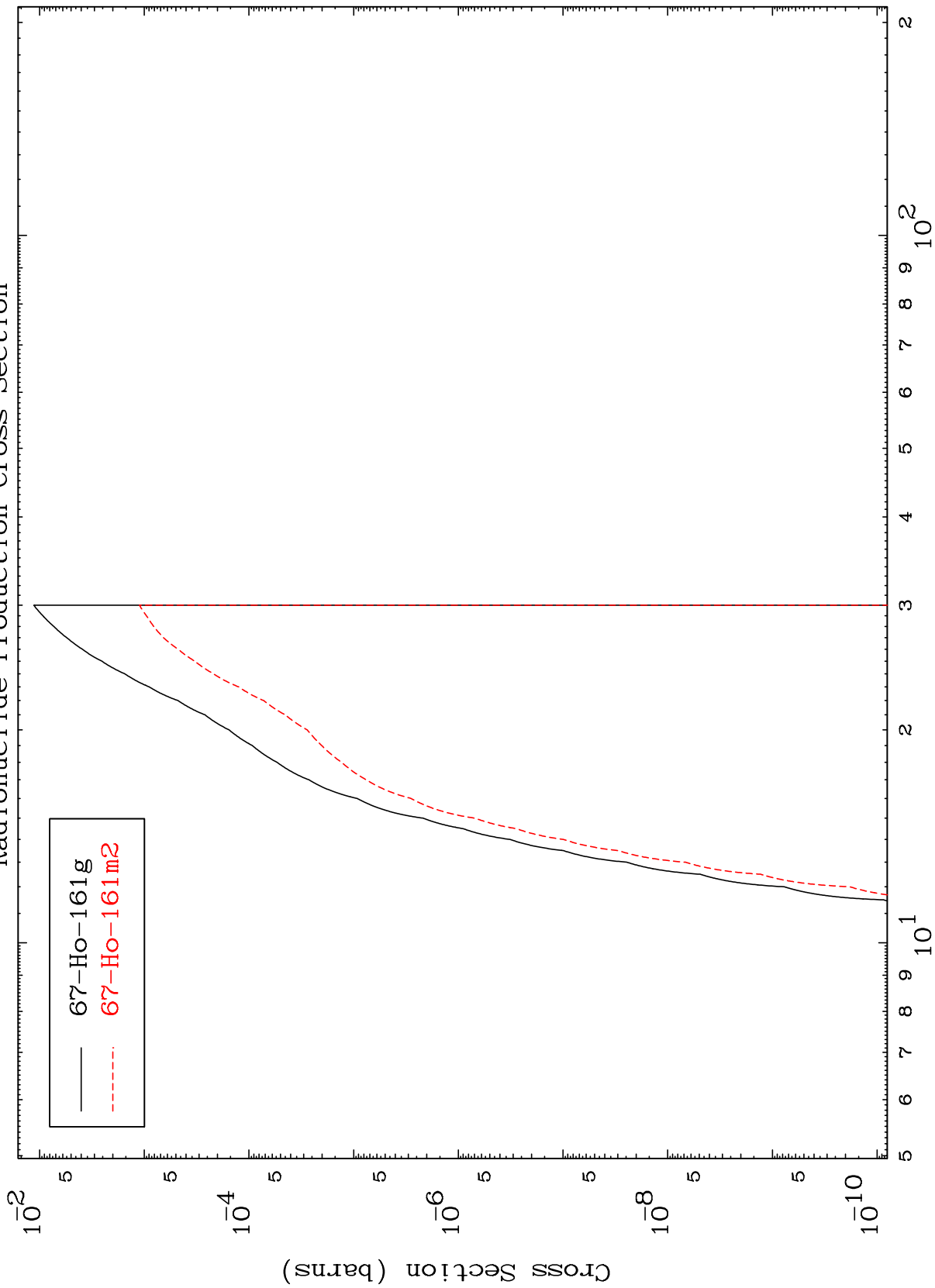
69-Tm-166

MAT 6916

$(n,2n) \alpha$

69-Tm-166

Radionuclide Production Cross Section



127

Incident Energy (MeV)

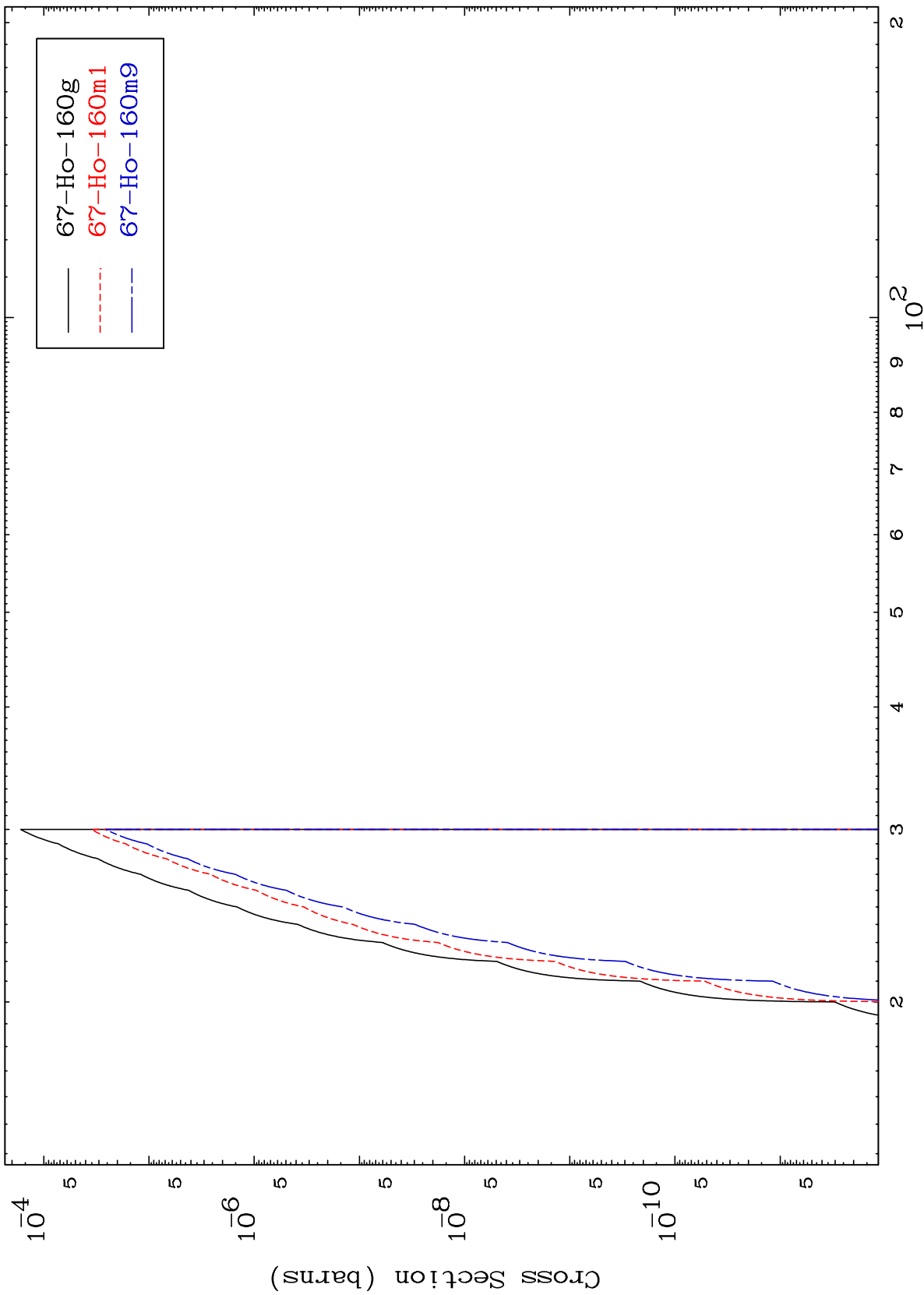
69-Tm-166

MAT 6916

$(n,3n) \alpha$

69-Tm-166

Radionuclide Production Cross Section



128

Incident Energy (MeV)

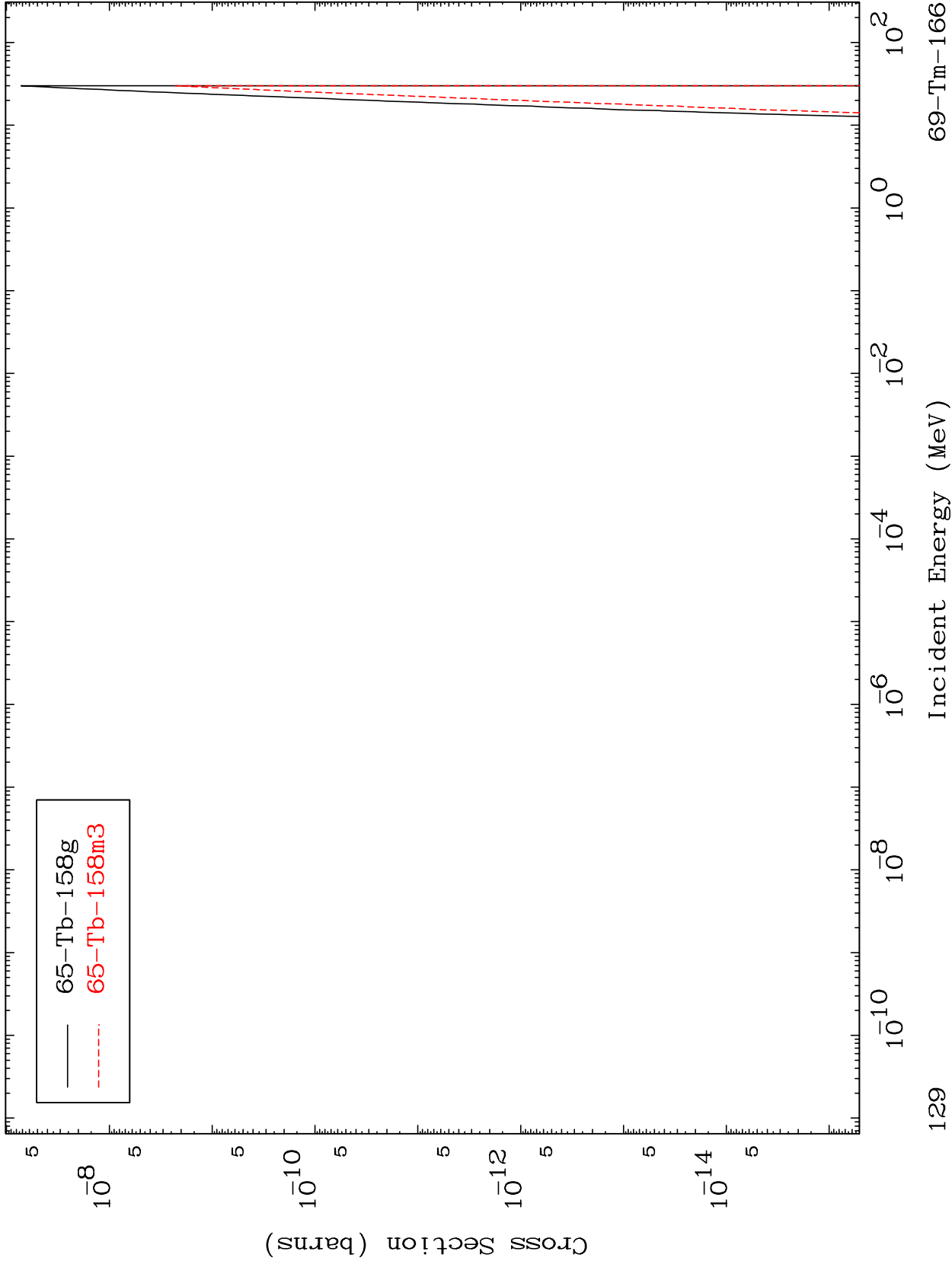
69-Tm-166

MAT 6916

(n,n') 2α

69-Tm-166

Radionuclide Production Cross Section

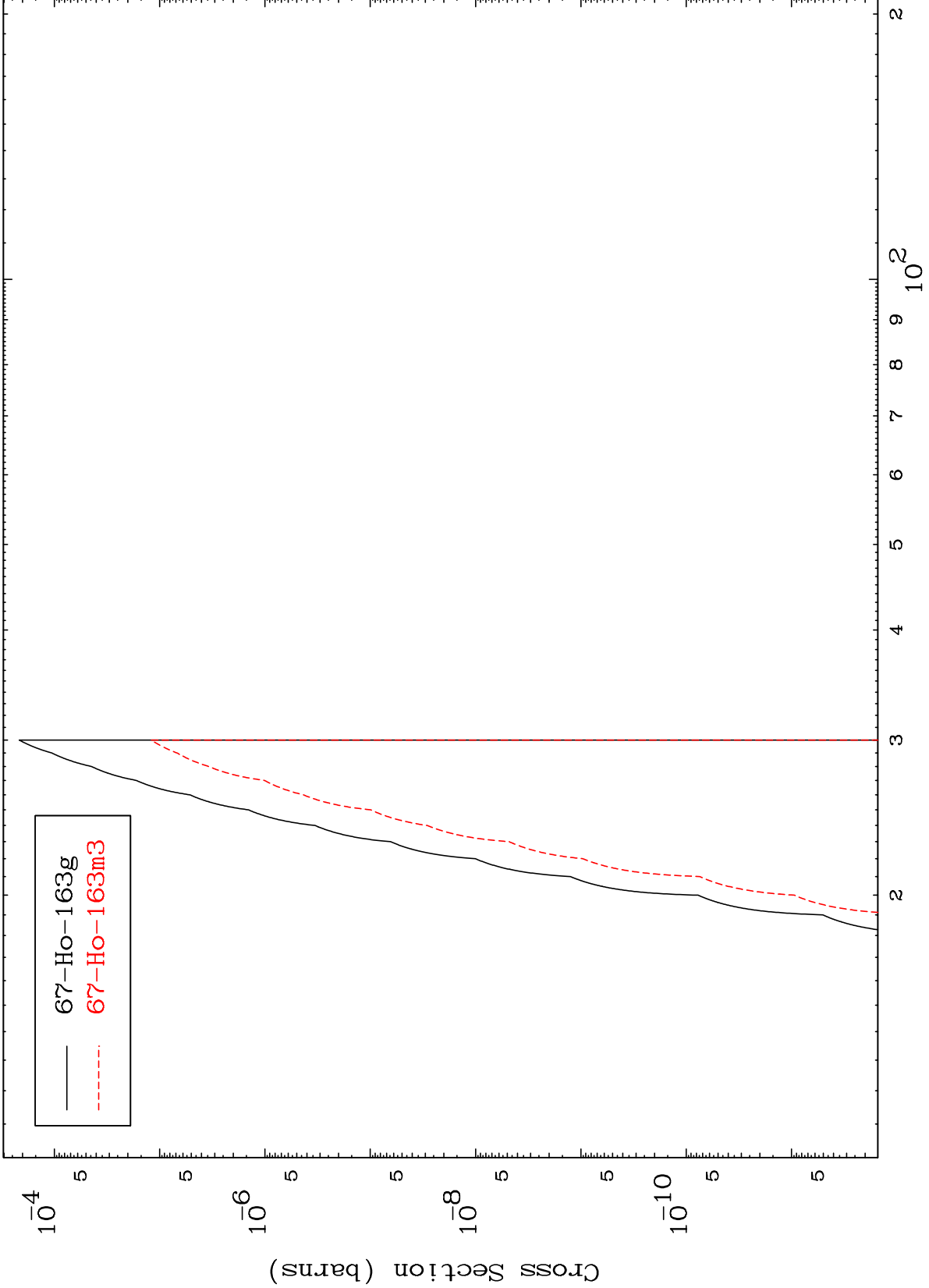


MAT 6916

(n,n') He-3

69-Tm-166

Radionuclide Production Cross Section



67-Ho-163g
67-Ho-163m3

130

Incident Energy (MeV)

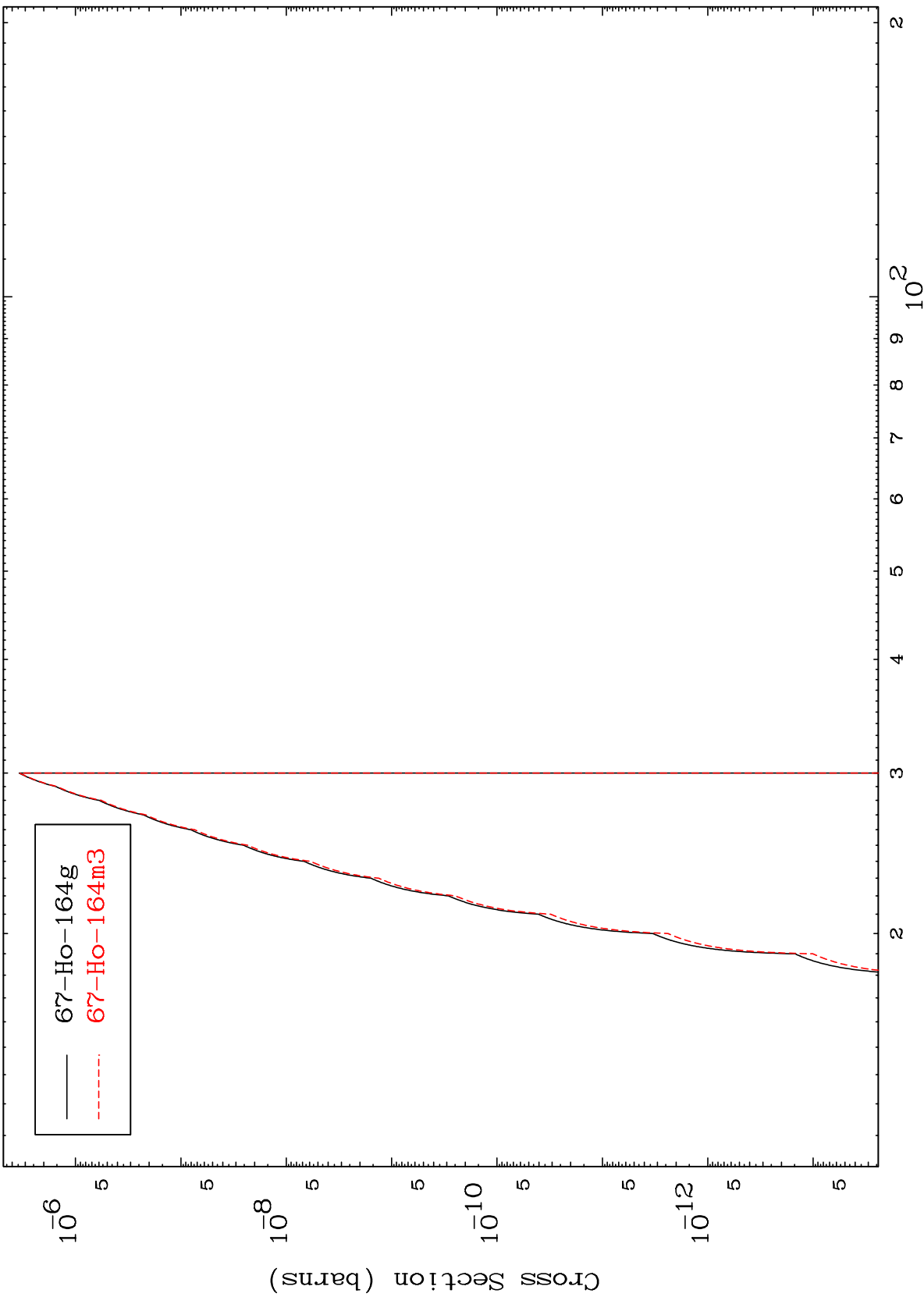
69-Tm-166

MAT 6916

(n,2n) p

69-Tm-166

Radionuclide Production Cross Section



131

Incident Energy (MeV)

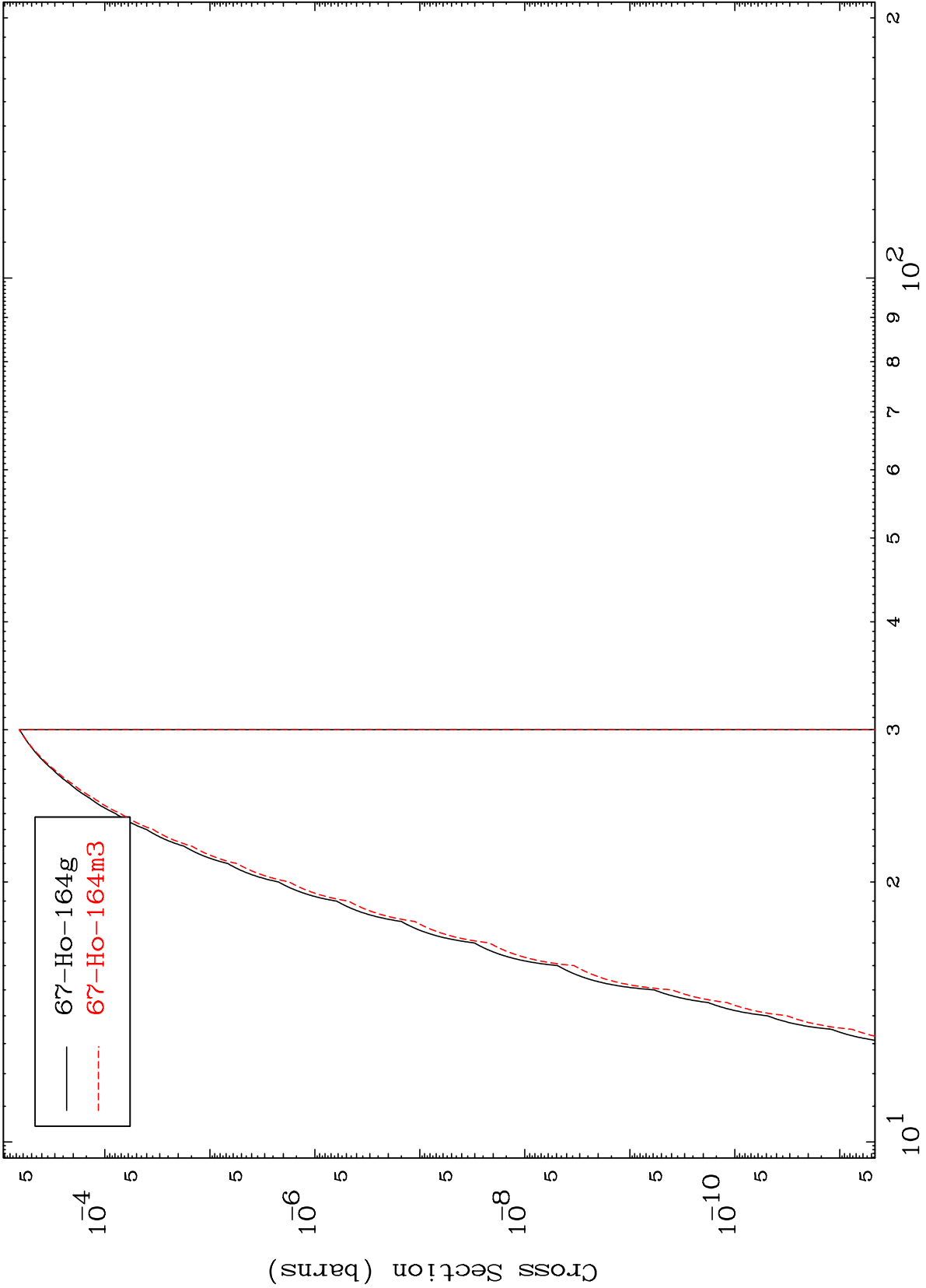
69-Tm-166

MAT 6916

(n,He-3)

69-Tm-166

Radionuclide Production Cross Section



Incident Energy (MeV)

69-Tm-166

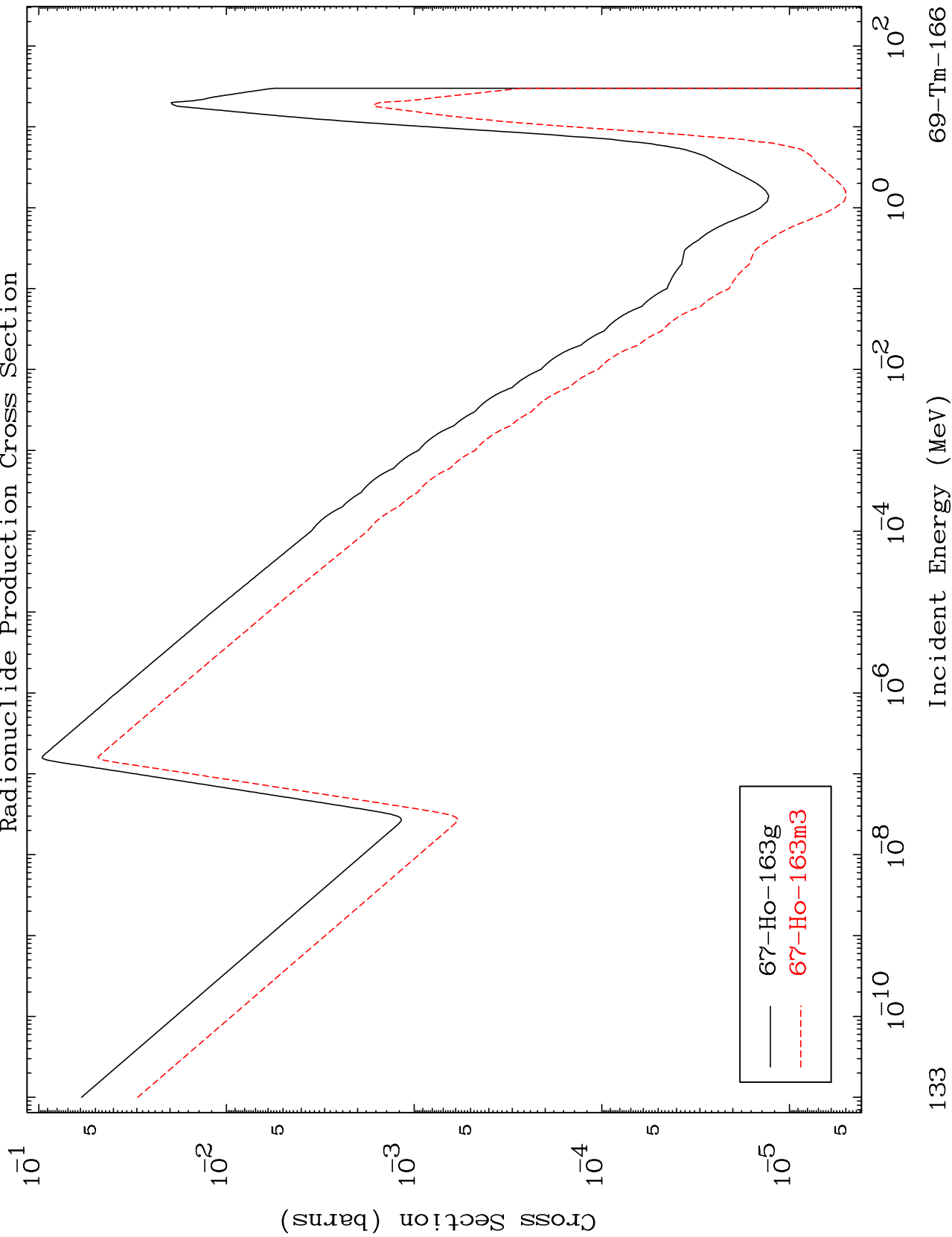
132

MAT 6916

69-Tm-166

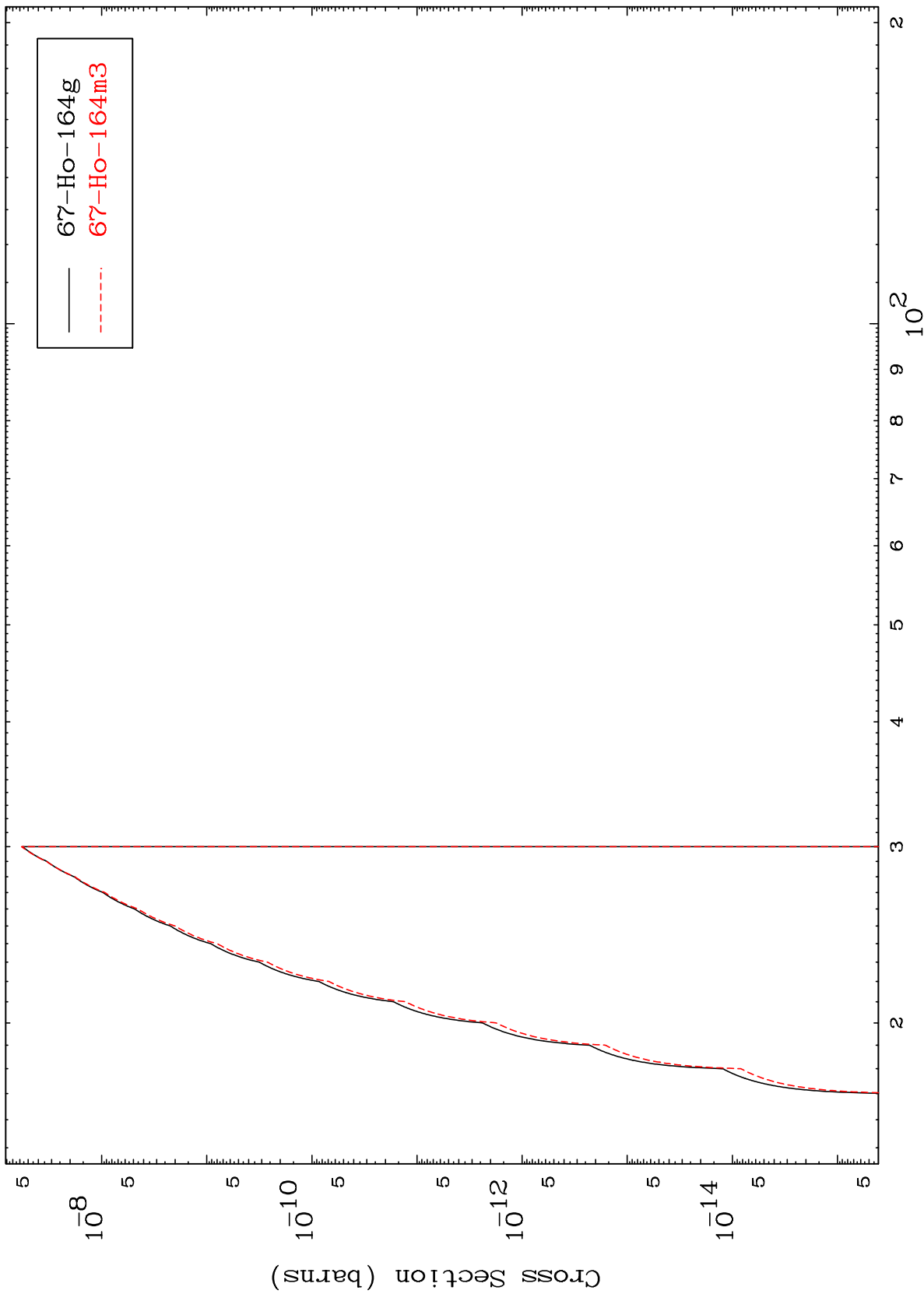
Radionuclide Production Cross Section

(n, α)



— ^{163}gHo
- - - $^{163}\text{m3Ho}$

Radionuclide Production Cross Section

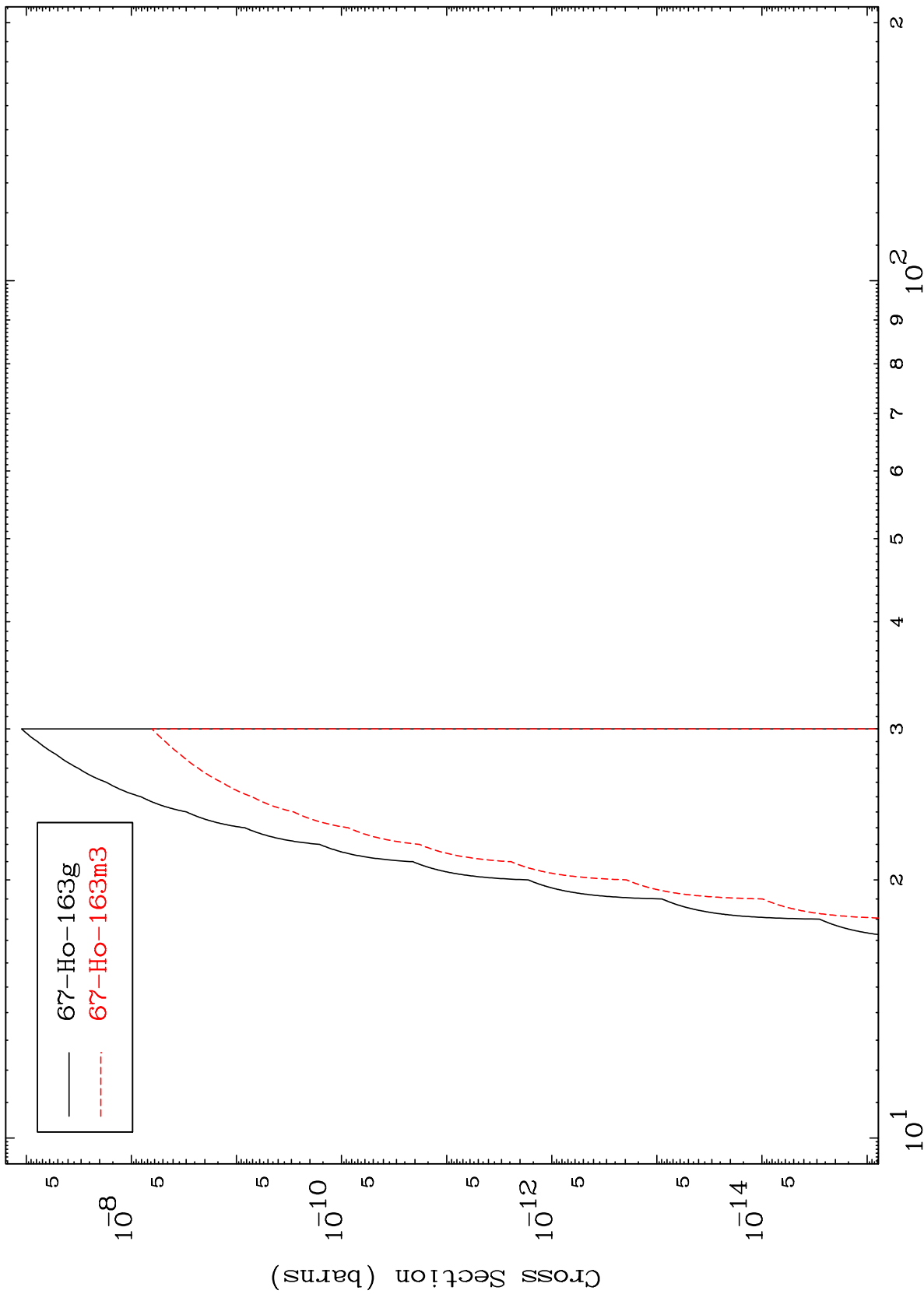


MAT 6916

(n,p) t

69-Tm-166

Radionuclide Production Cross Section



Incident Energy (MeV)

69-Tm-166

135