

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

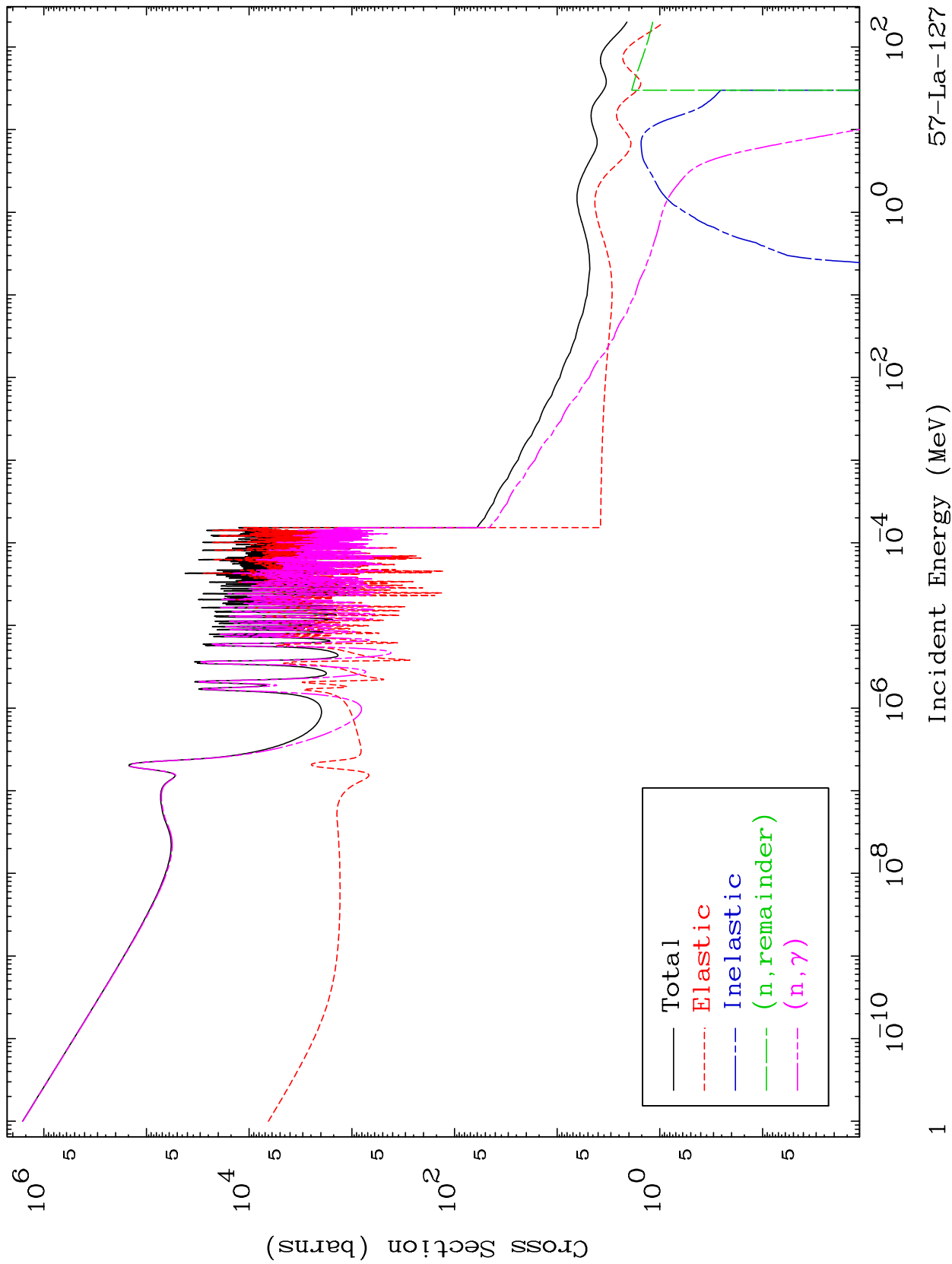
Press Mouse Button to Start

MAT 5692

Major

293 Kelvin Cross Sections

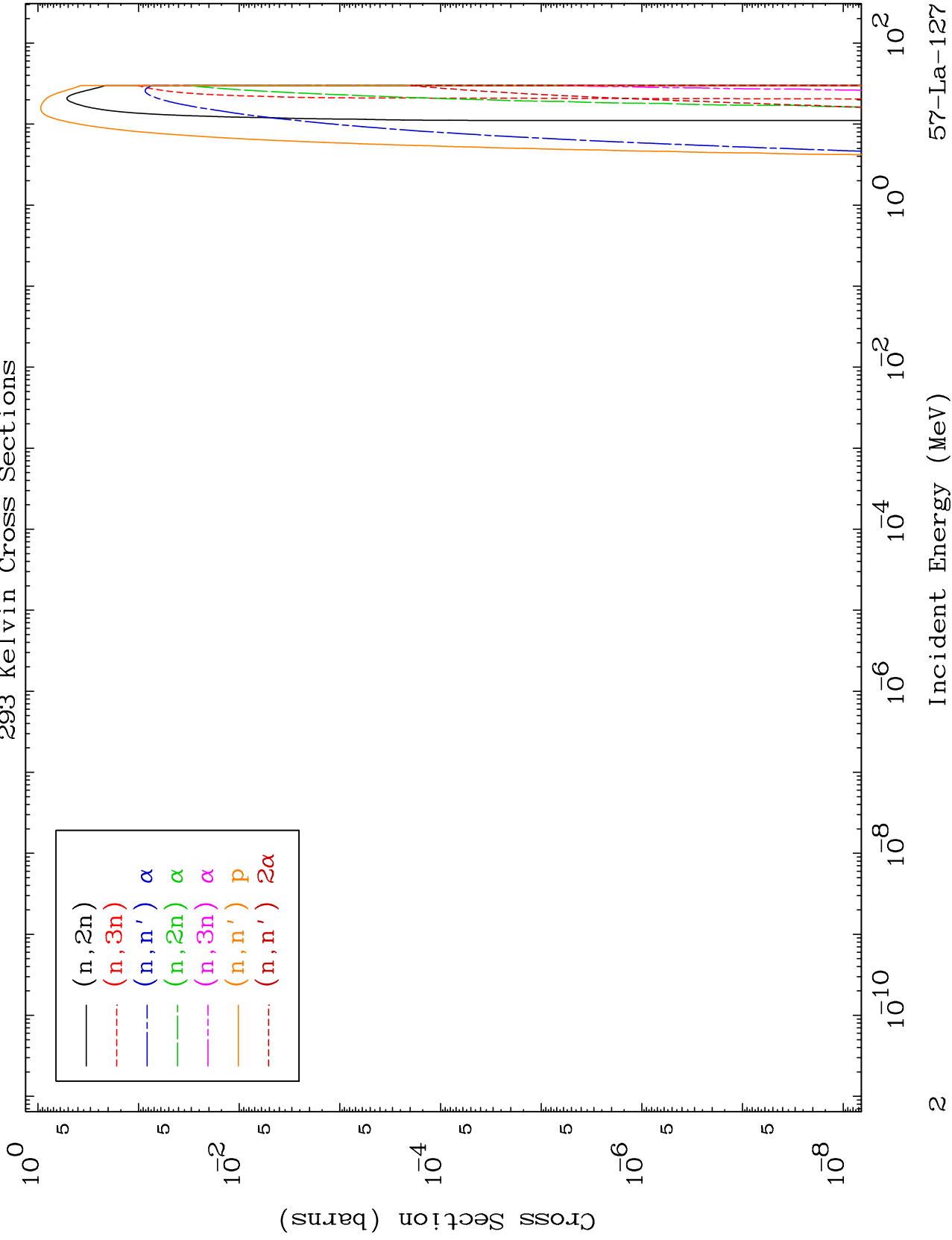
57-La-127

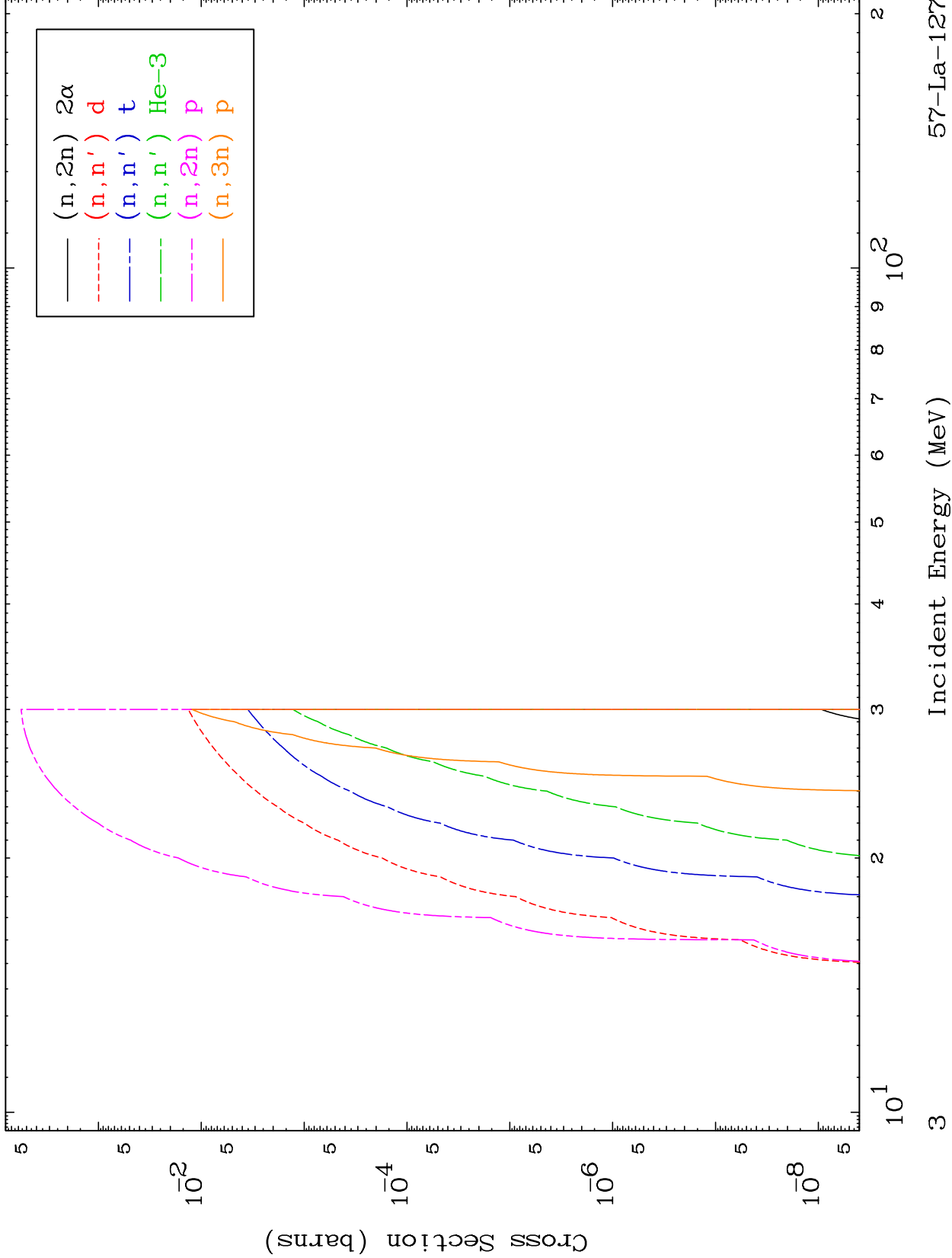


MAT 5692

Neutron Production
293 Kelvin Cross Sections

57-La-127

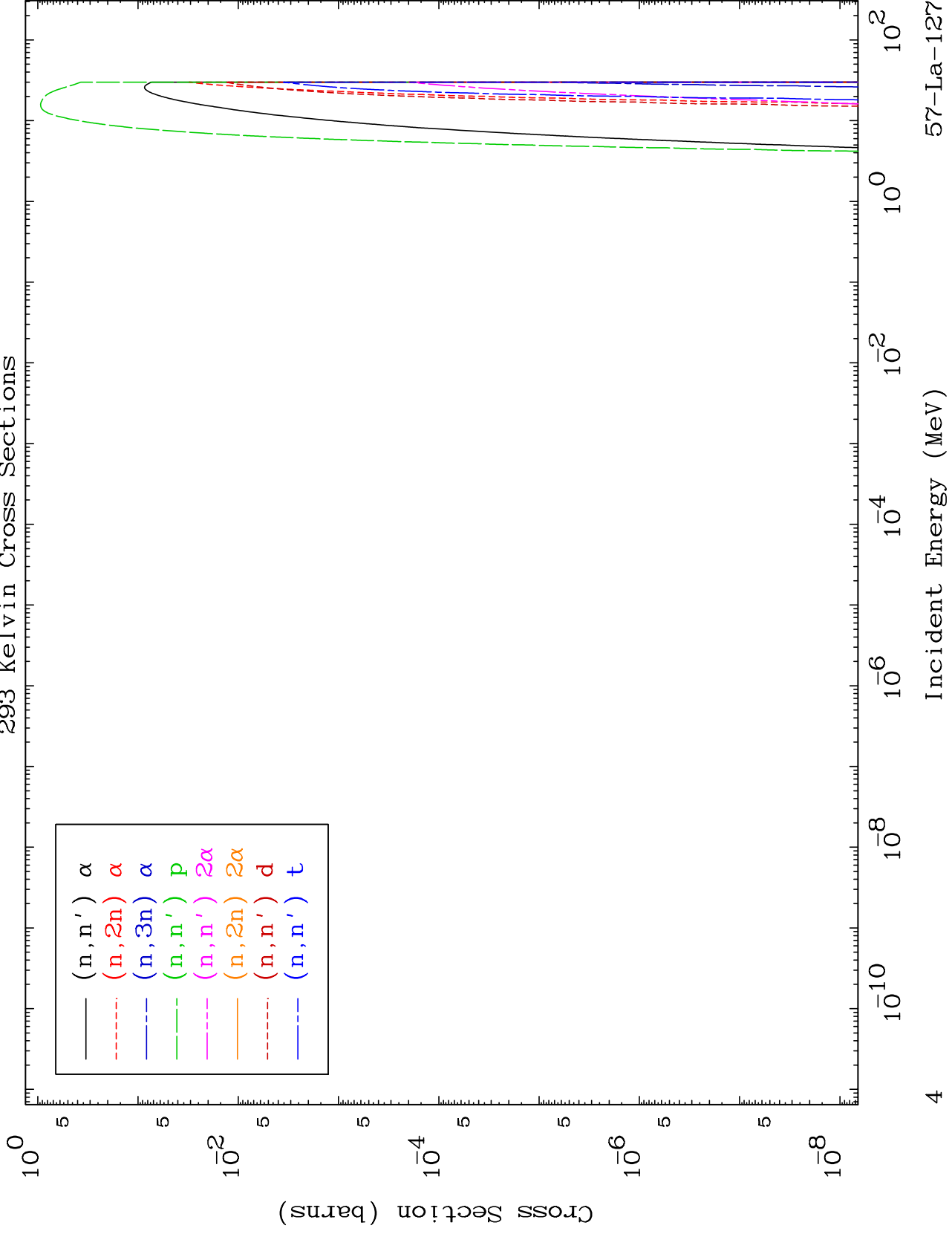




MAT 5692

Charged Particle
293 Kelvin Cross Sections

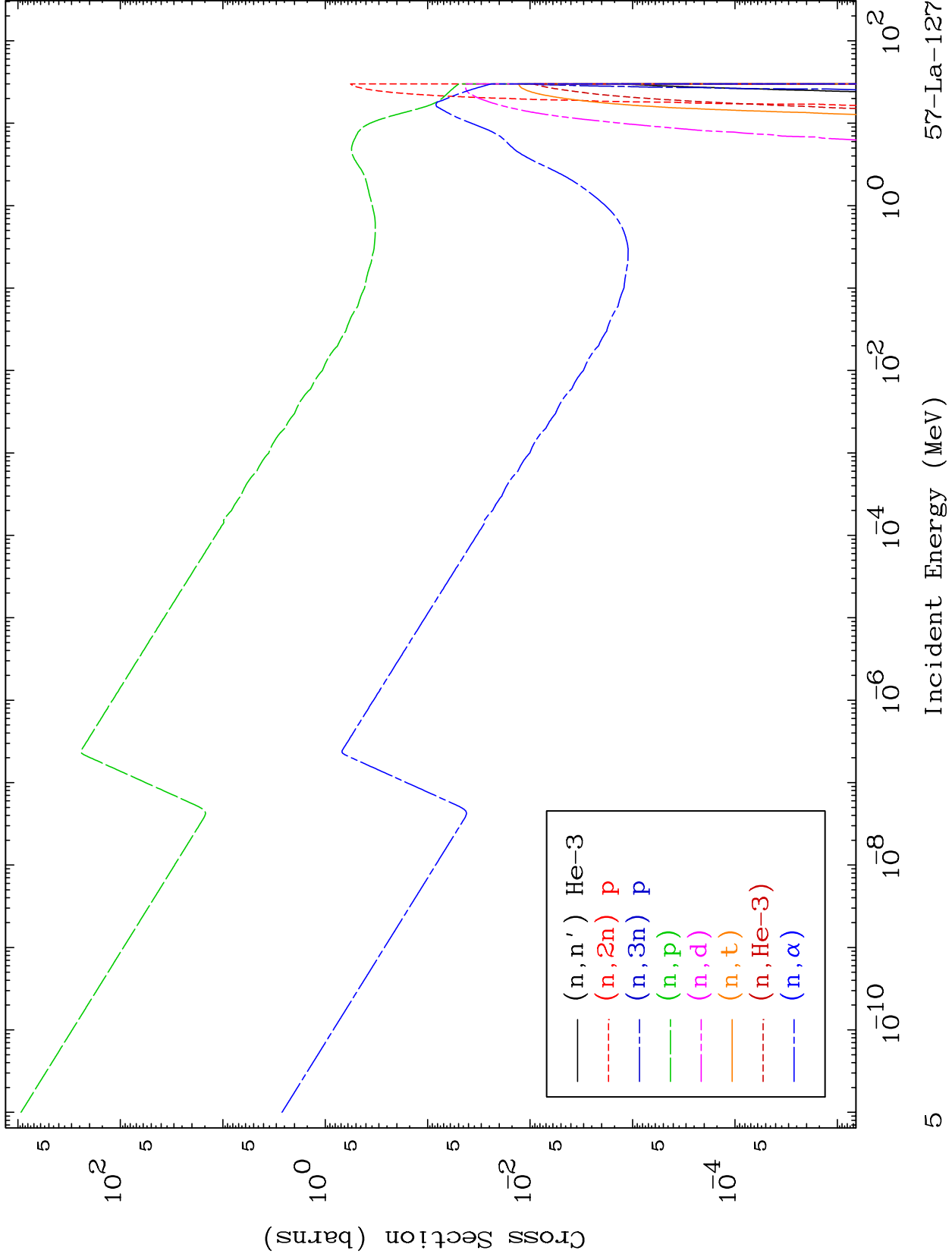
57-La-127



MAT 5692

Charged Particle
293 Kelvin Cross Sections

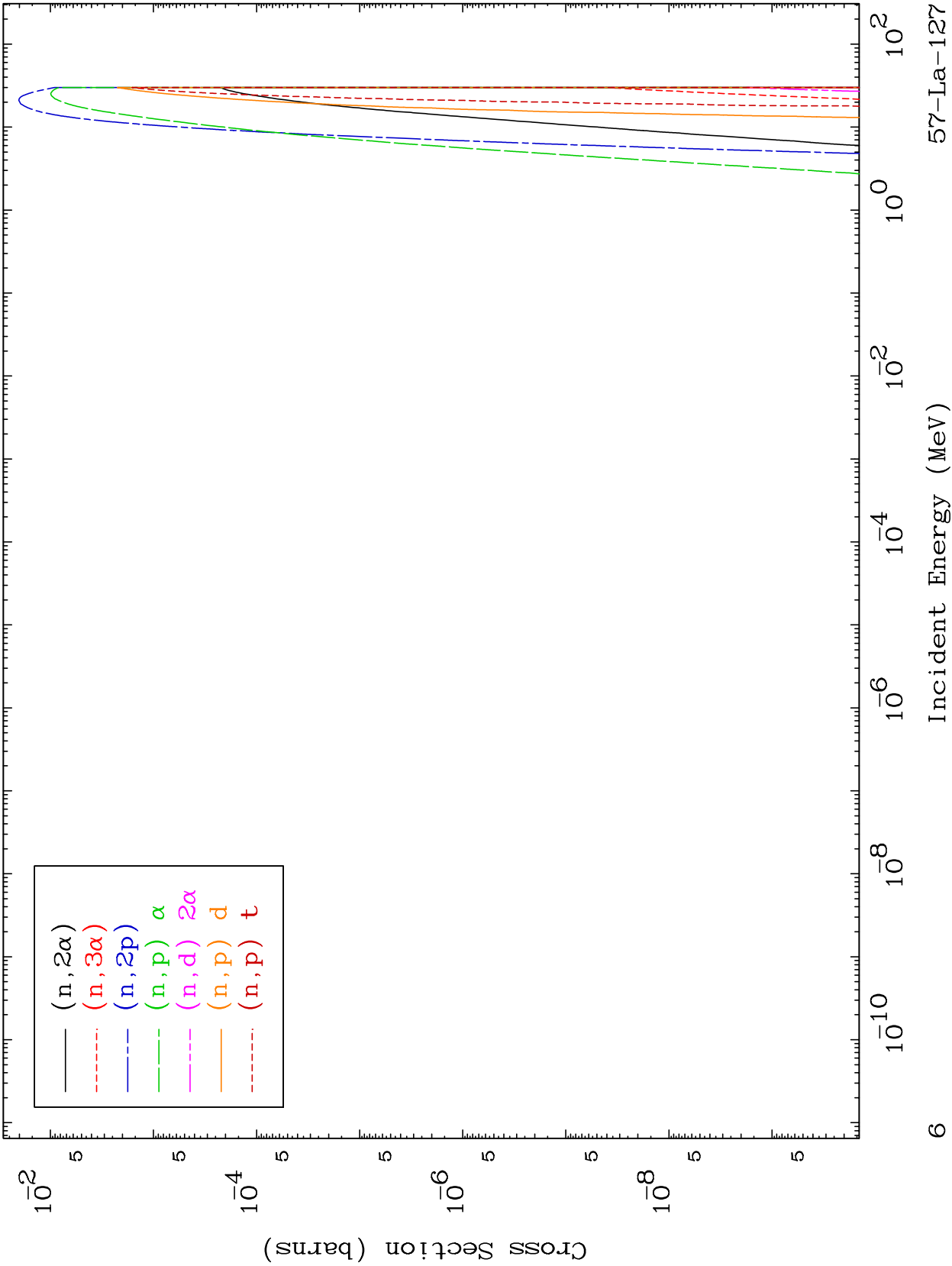
57-La-127



MAT 5692

Charged Particle
293 Kelvin Cross Sections

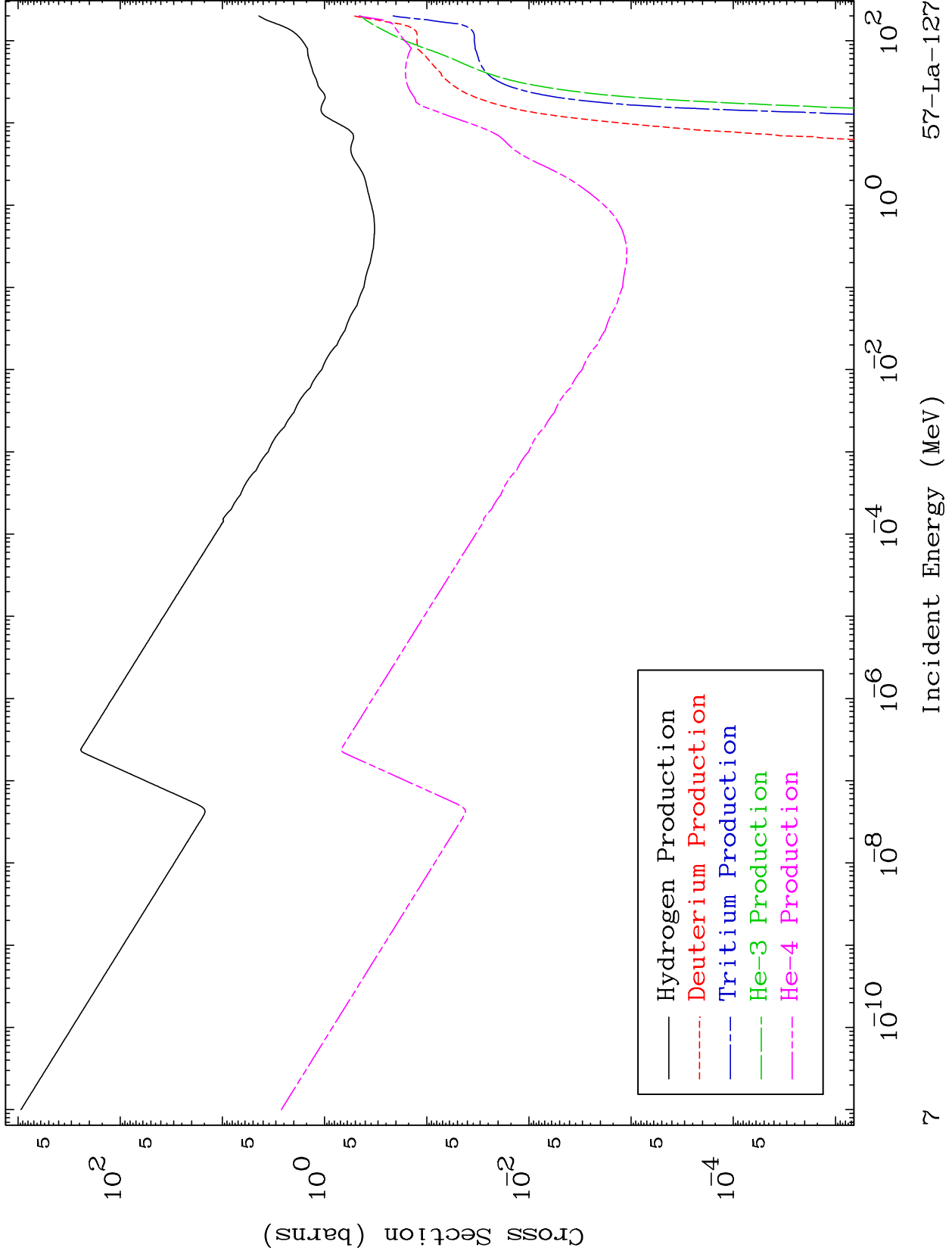
57-La-127



MAT 5692

Particle Production
293 Kelvin Cross Sections

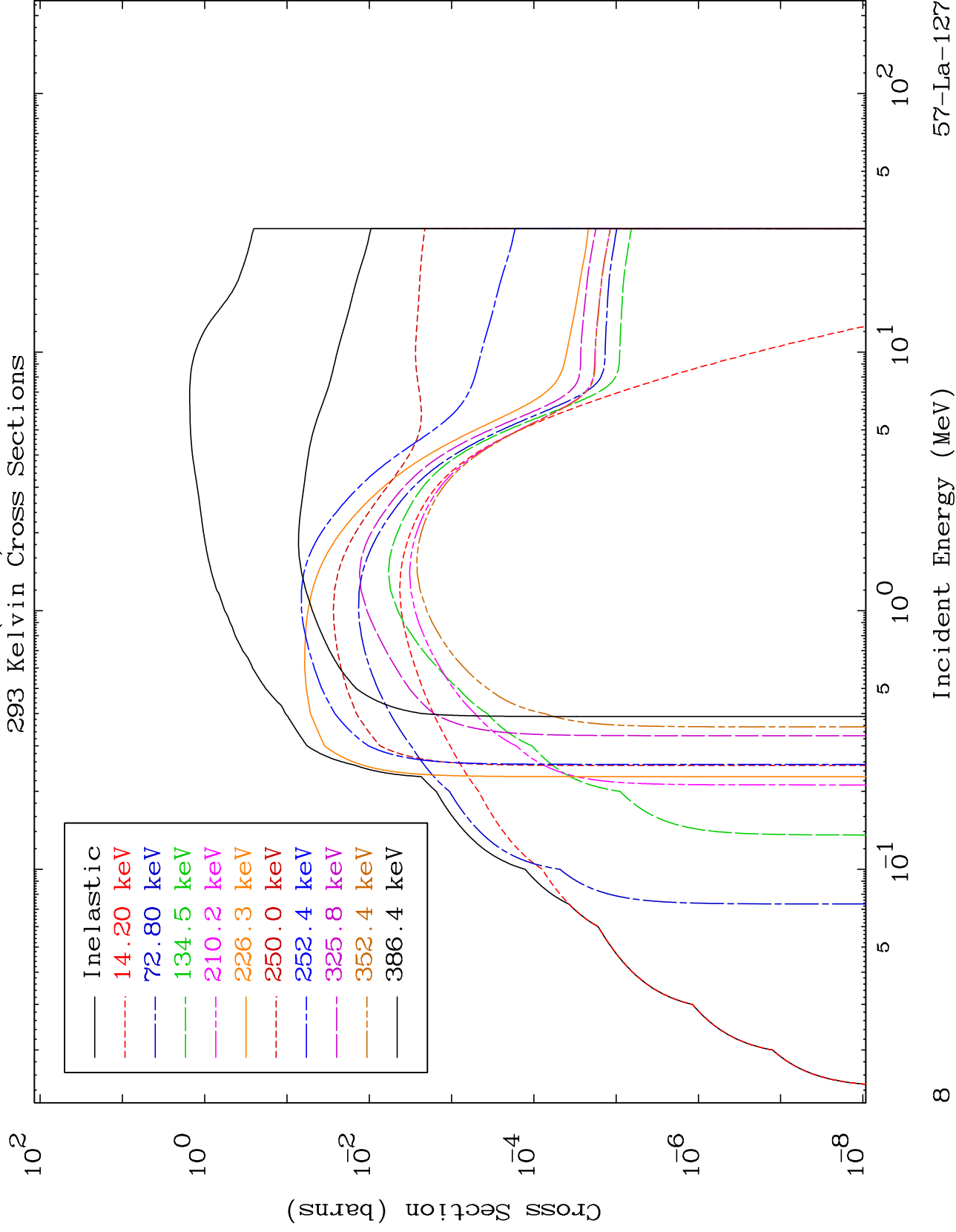
57-La-127



MAT 5692

(n,n') Level
293 Kelvin Cross Sections

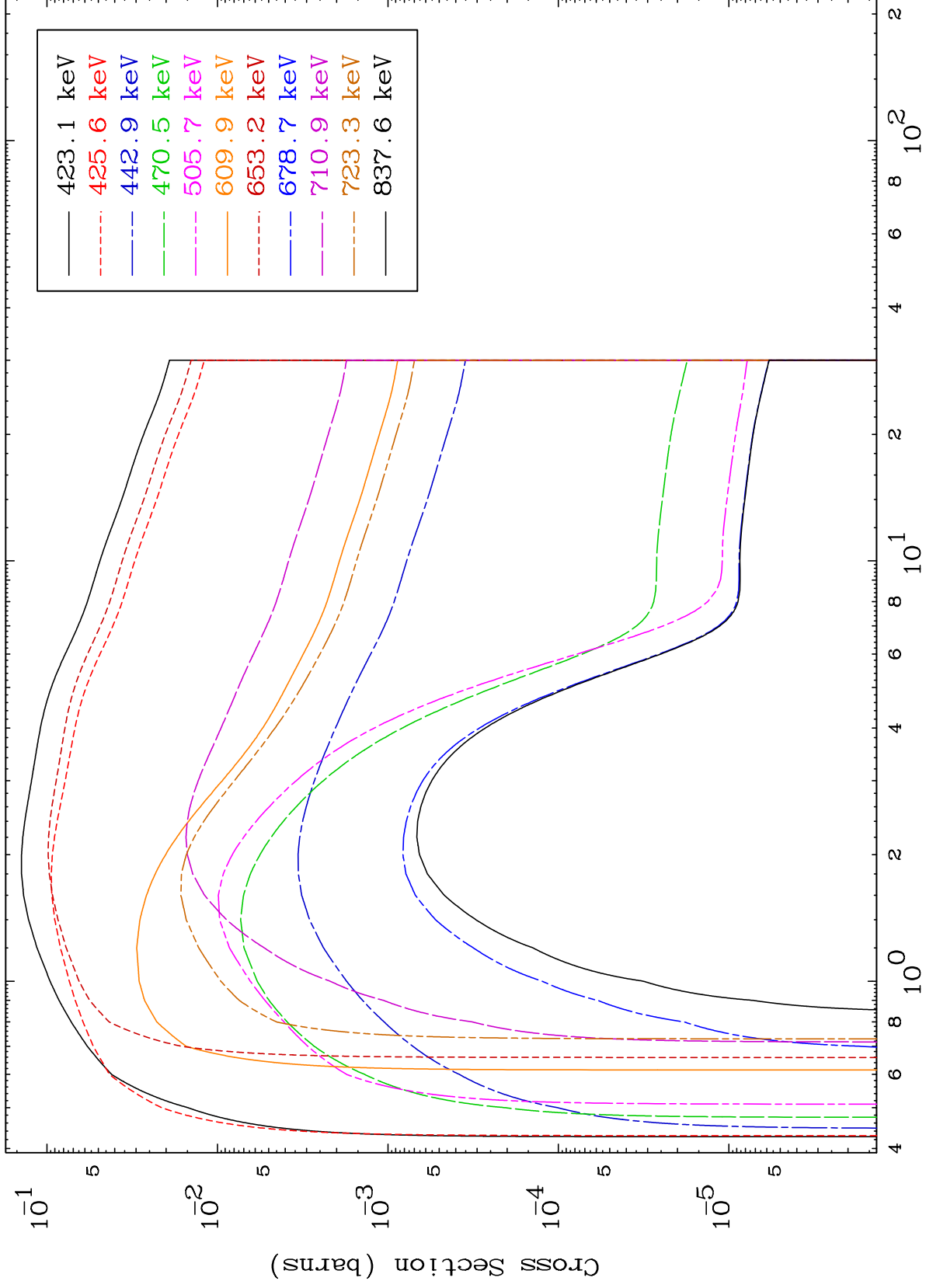
57-La-127



MAT 5692

(n,n') Level
293 Kelvin Cross Sections

57-La-127



9

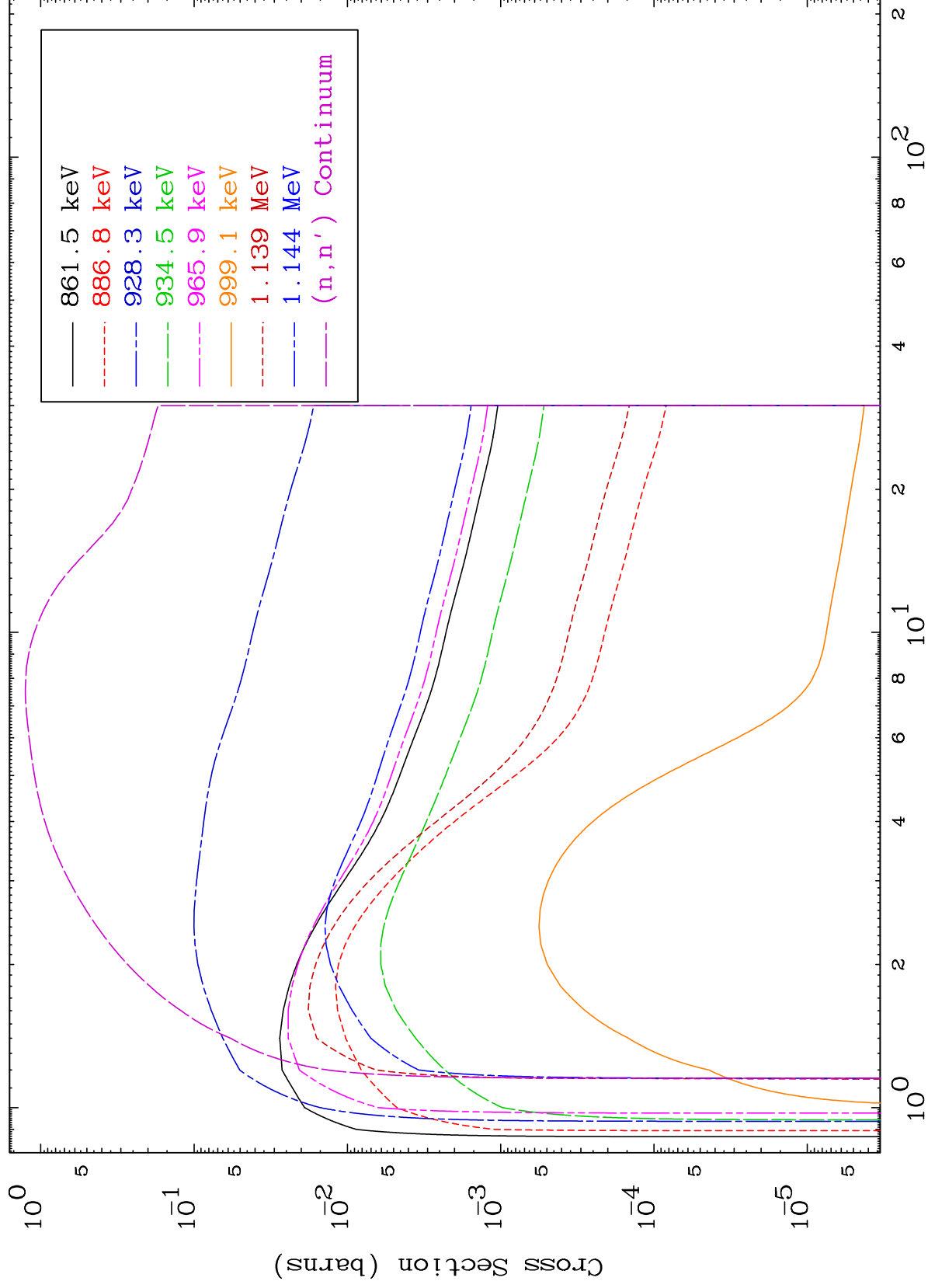
Incident Energy (MeV)

57-La-127

MAT 5692

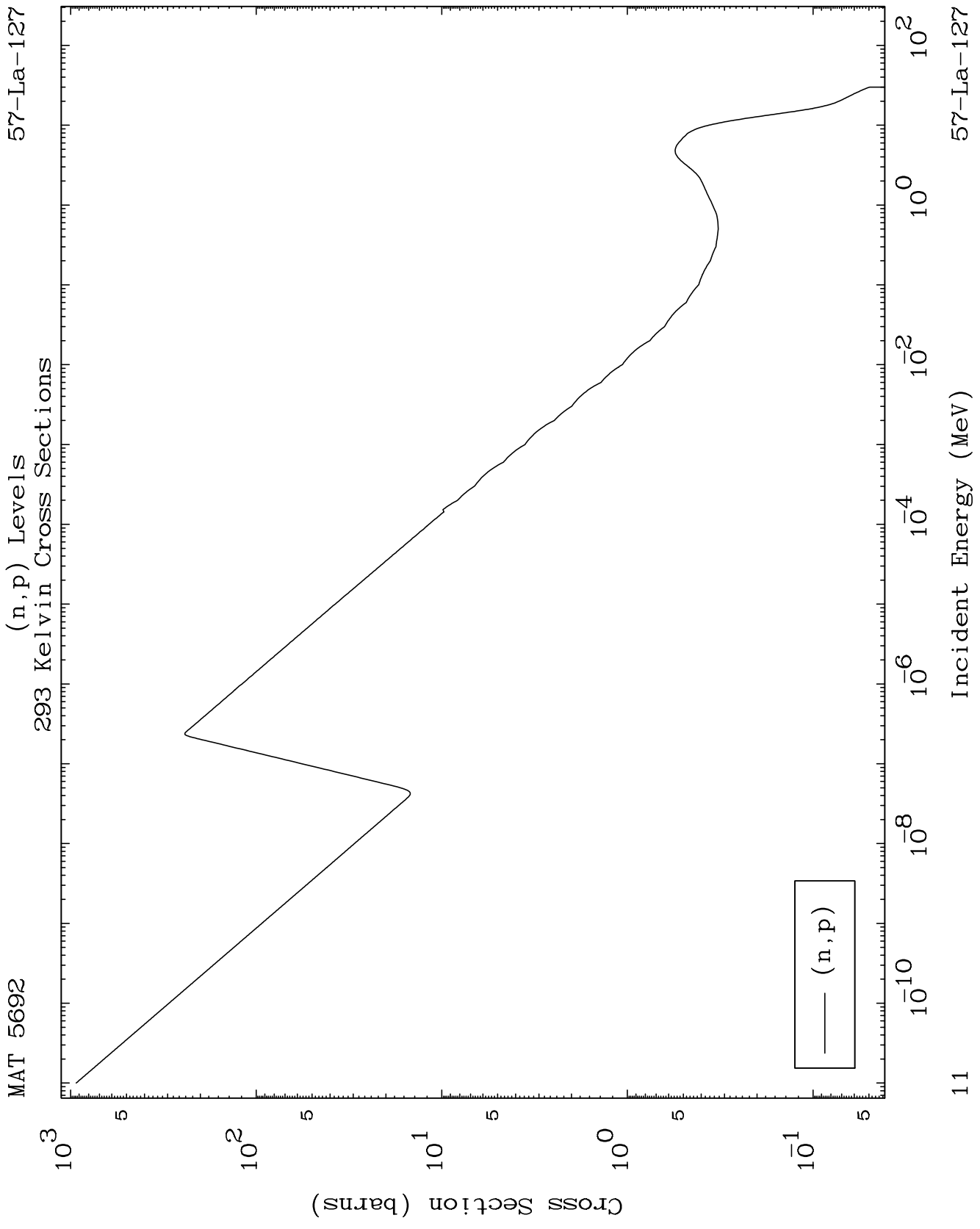
(n,n') Level
293 Kelvin Cross Sections

57-La-127



Incident Energy (MeV)

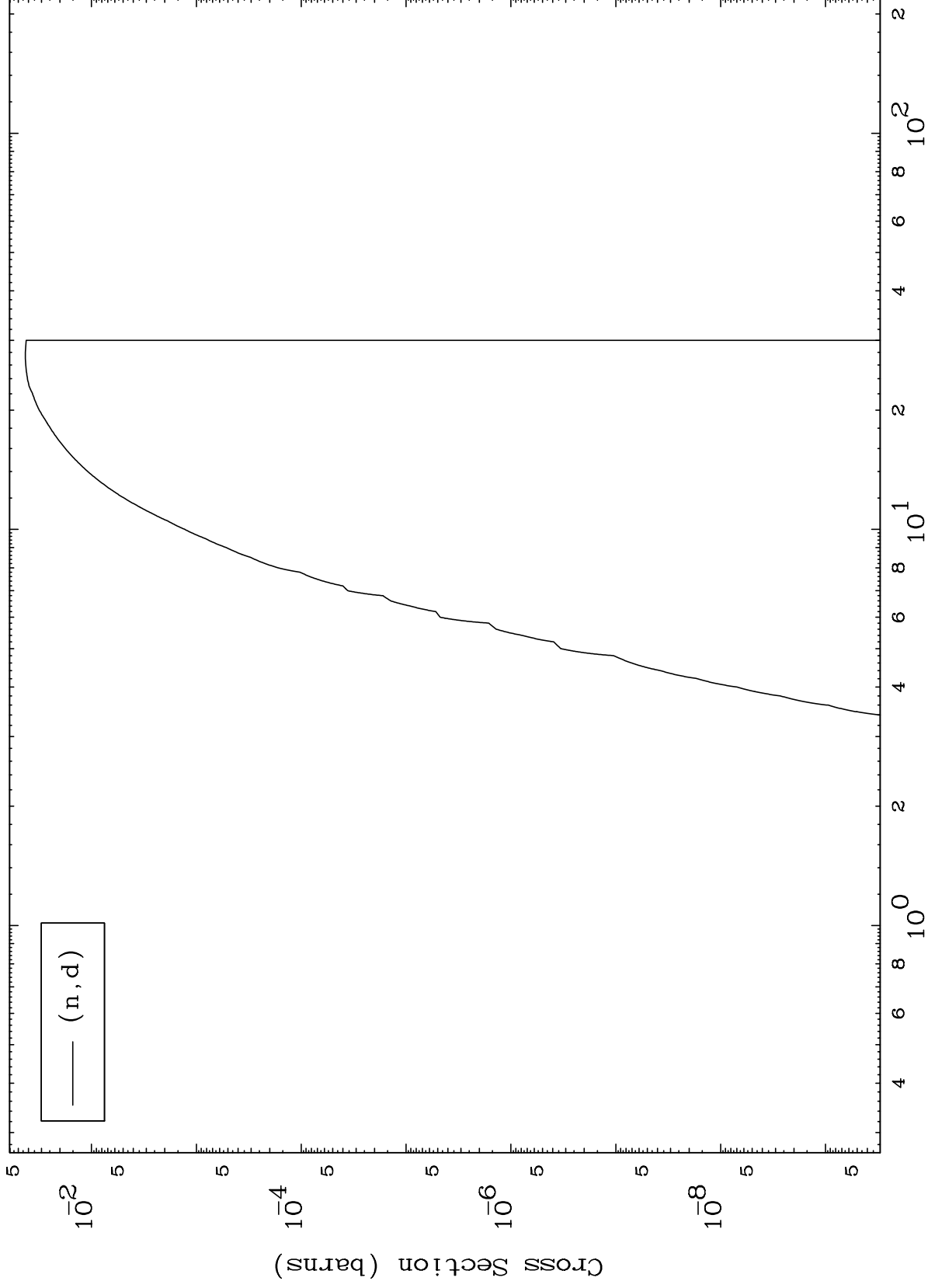
57-La-127



MAT 5692

(n,d) Levels
293 Kelvin Cross Sections

57-La-127



12

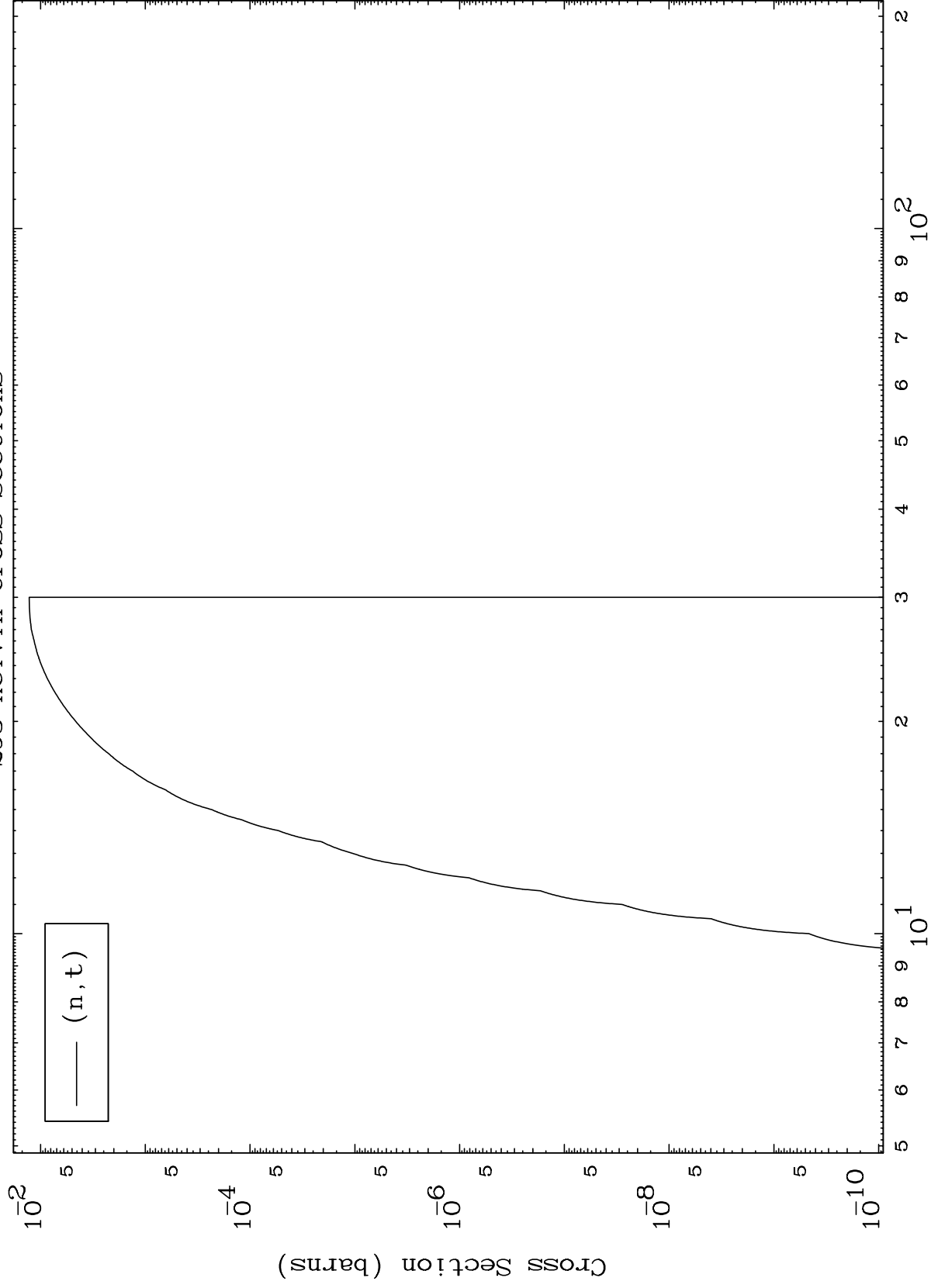
Incident Energy (MeV)

57-La-127

MAT 5692

(n,t) Levels
293 Kelvin Cross Sections

57-La-127



13

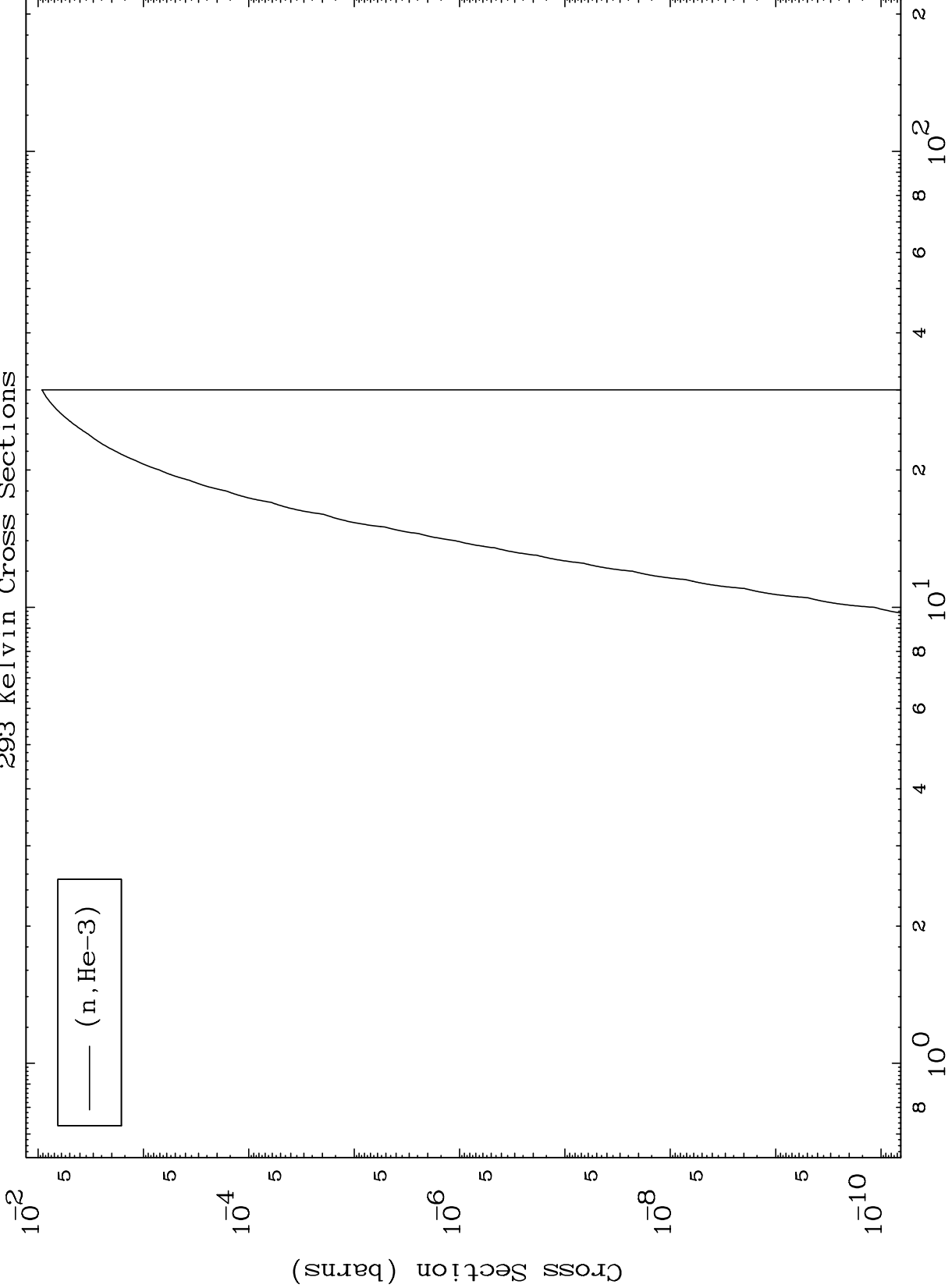
Incident Energy (MeV)

57-La-127

MAT 5692

(n,He3) Levels
293 Kelvin Cross Sections

57-La-127



14

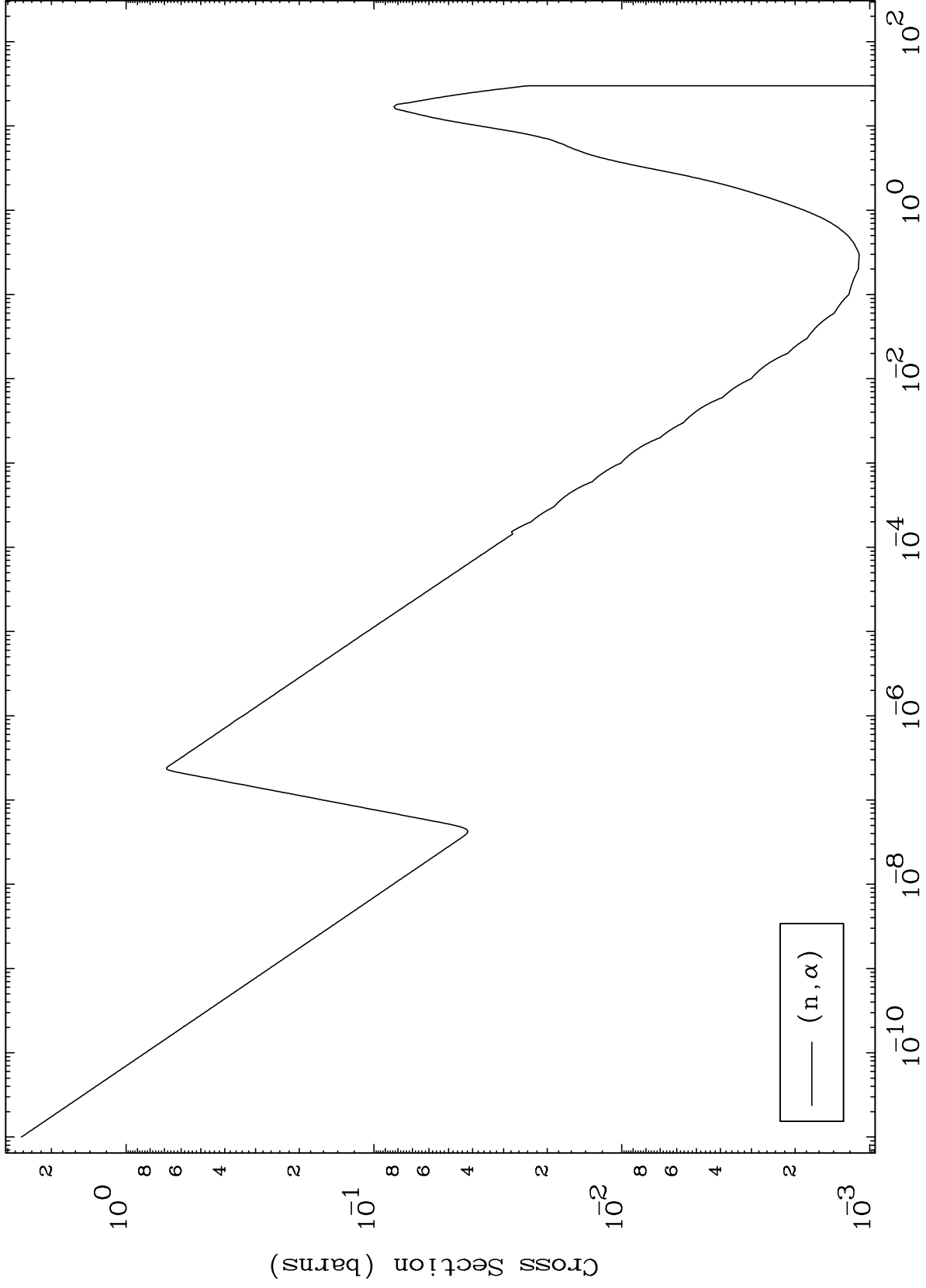
Incident Energy (MeV)

57-La-127

MAT 5692

(n, α) Levels
293 Kelvin Cross Sections

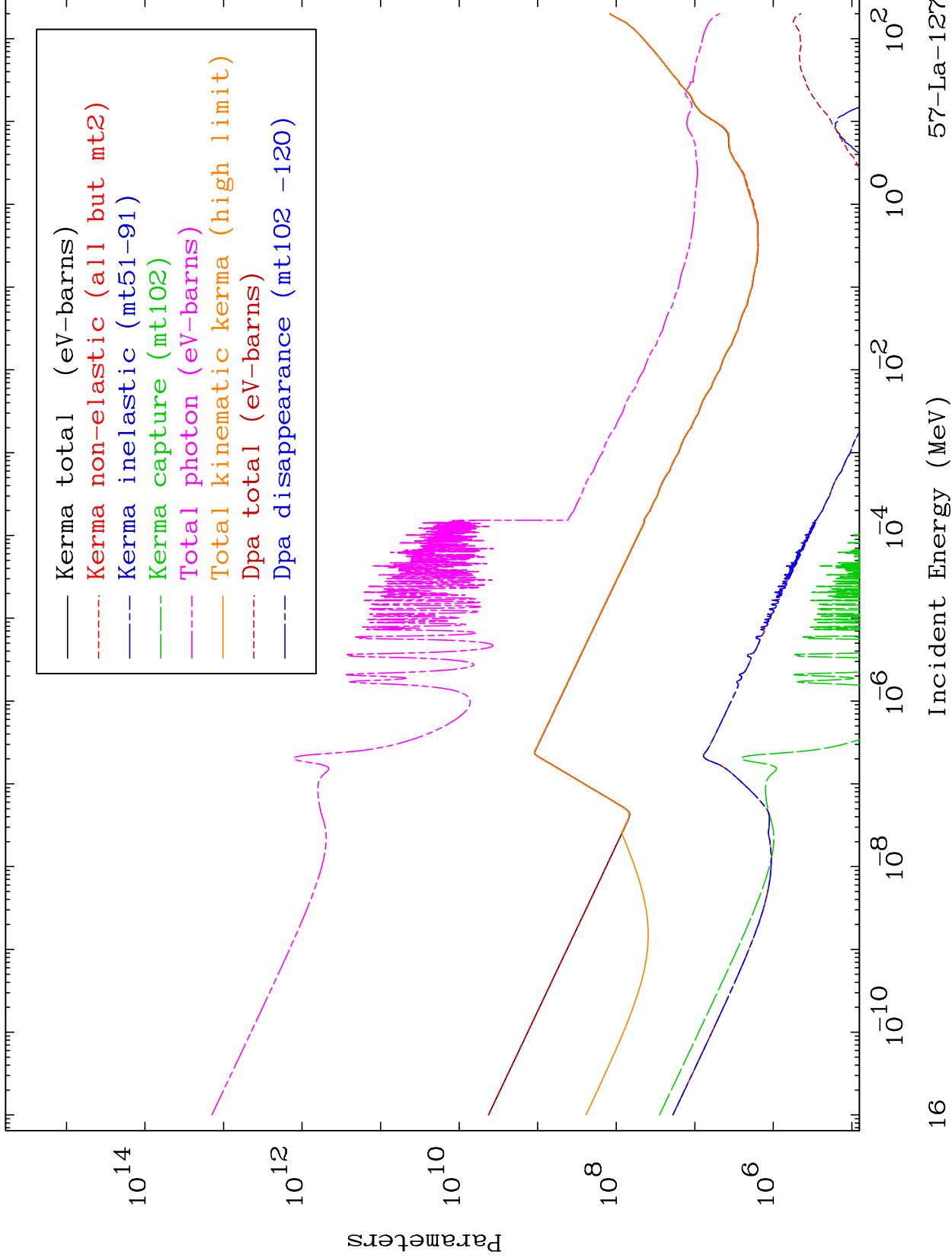
57-La-127



15

Incident Energy (MeV)

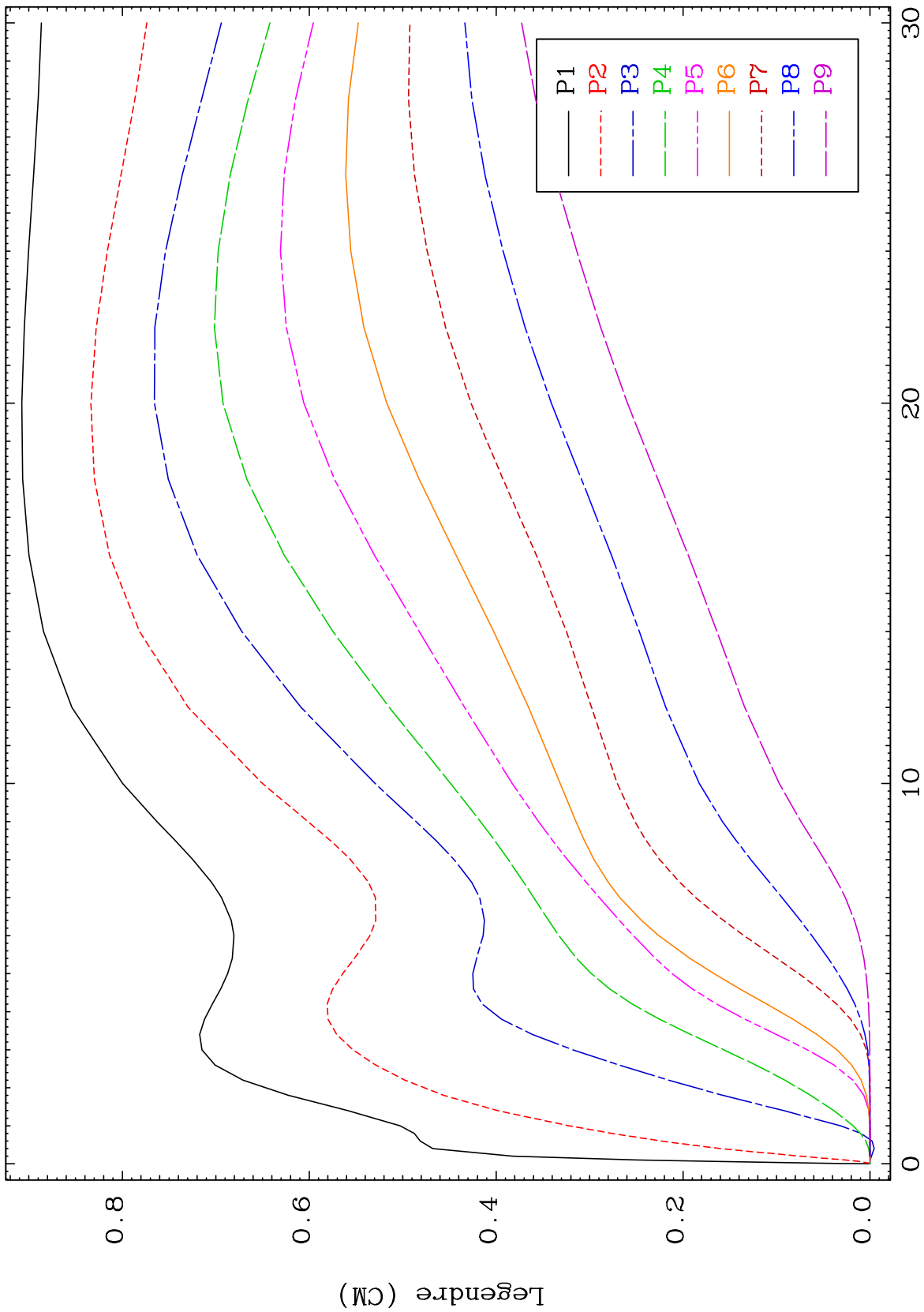
57-La-127



MAT 5692

57-La-127

Elastic Legendre Coefficients



17

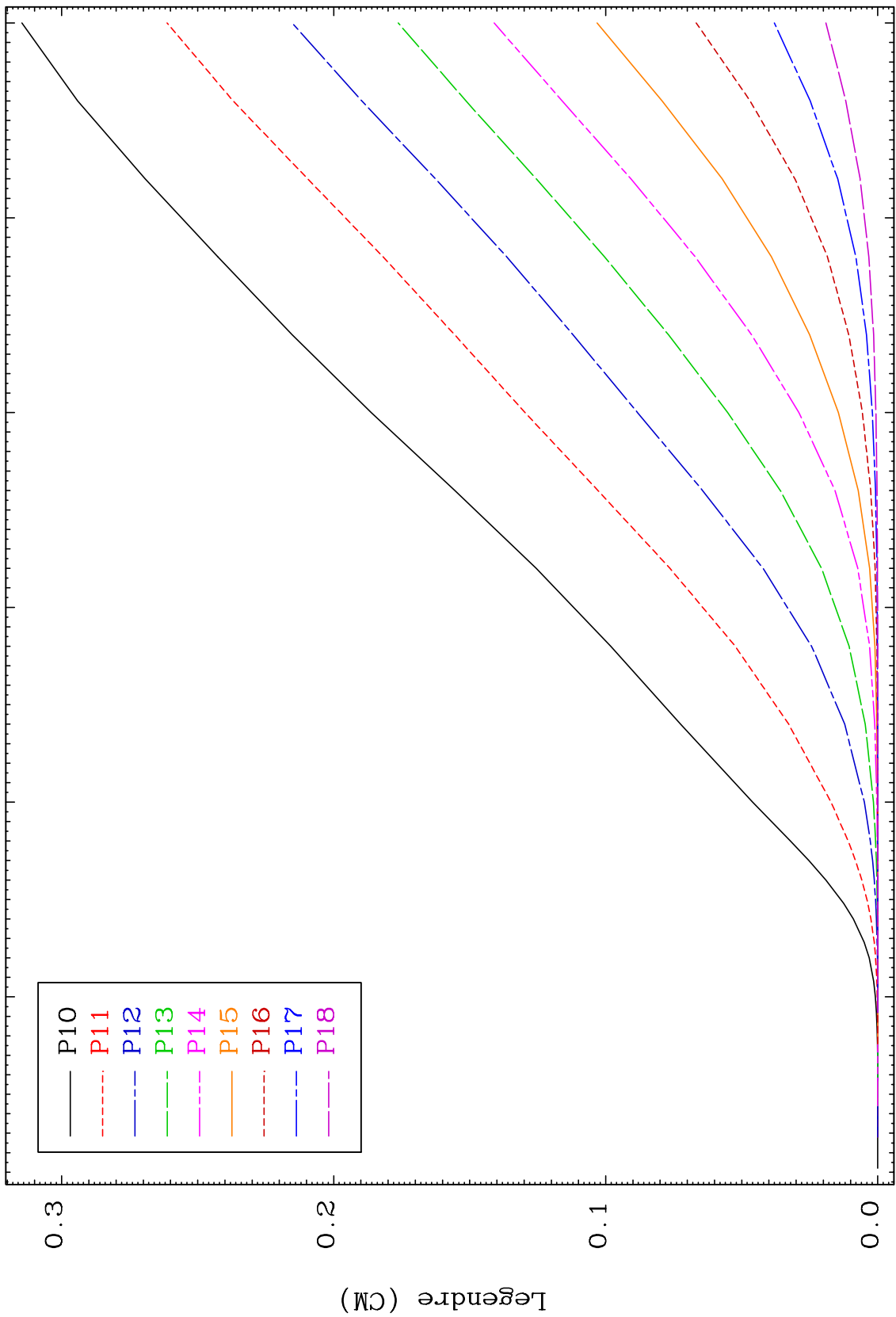
Incident Energy (MeV)

57-La-127

MAT 5692

Elastic Legendre Coefficients

57-La-127



18

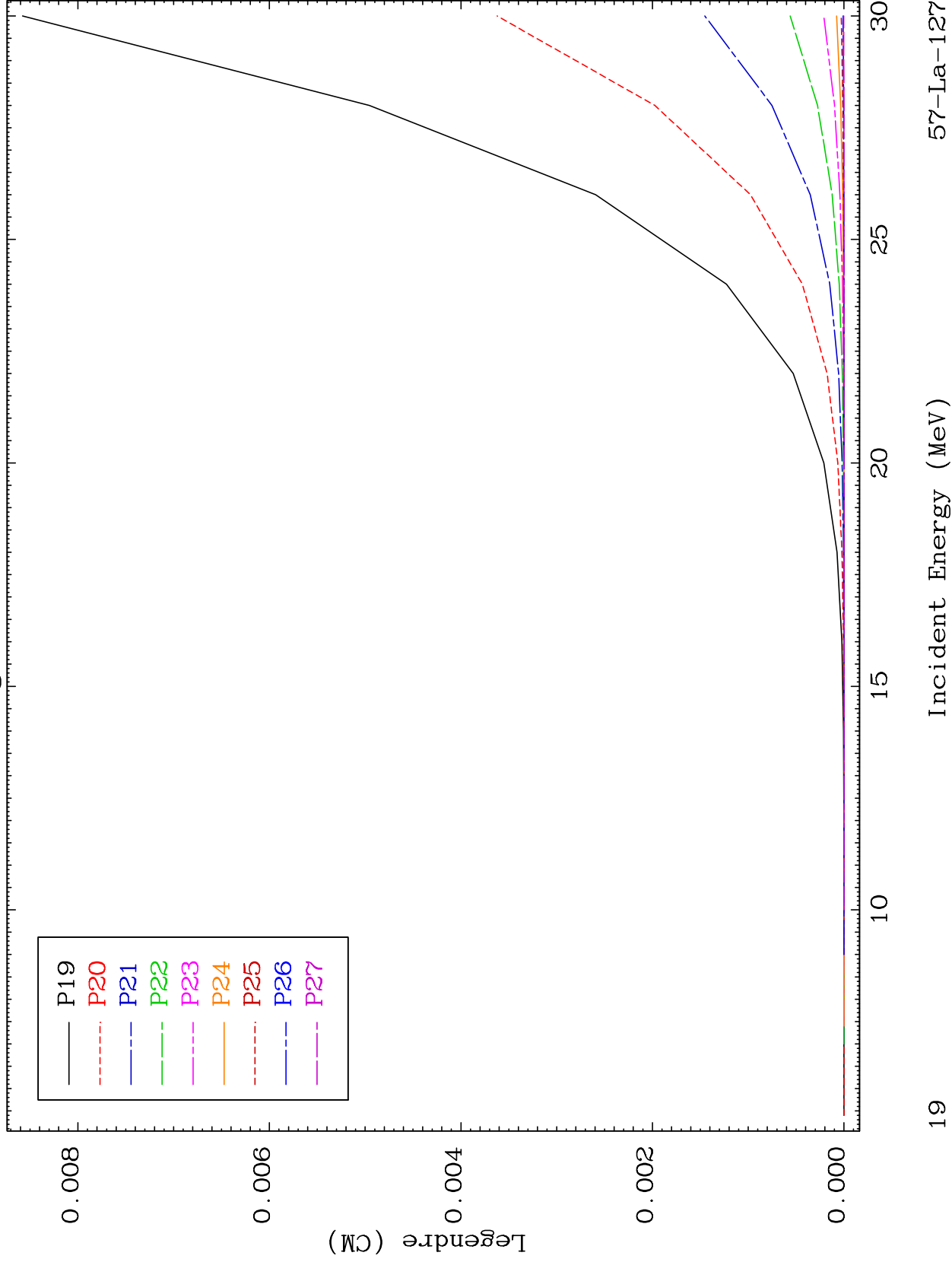
Incident Energy (MeV)

57-La-127

MAT 5692

Elastic Legendre Coefficients

57-La-127



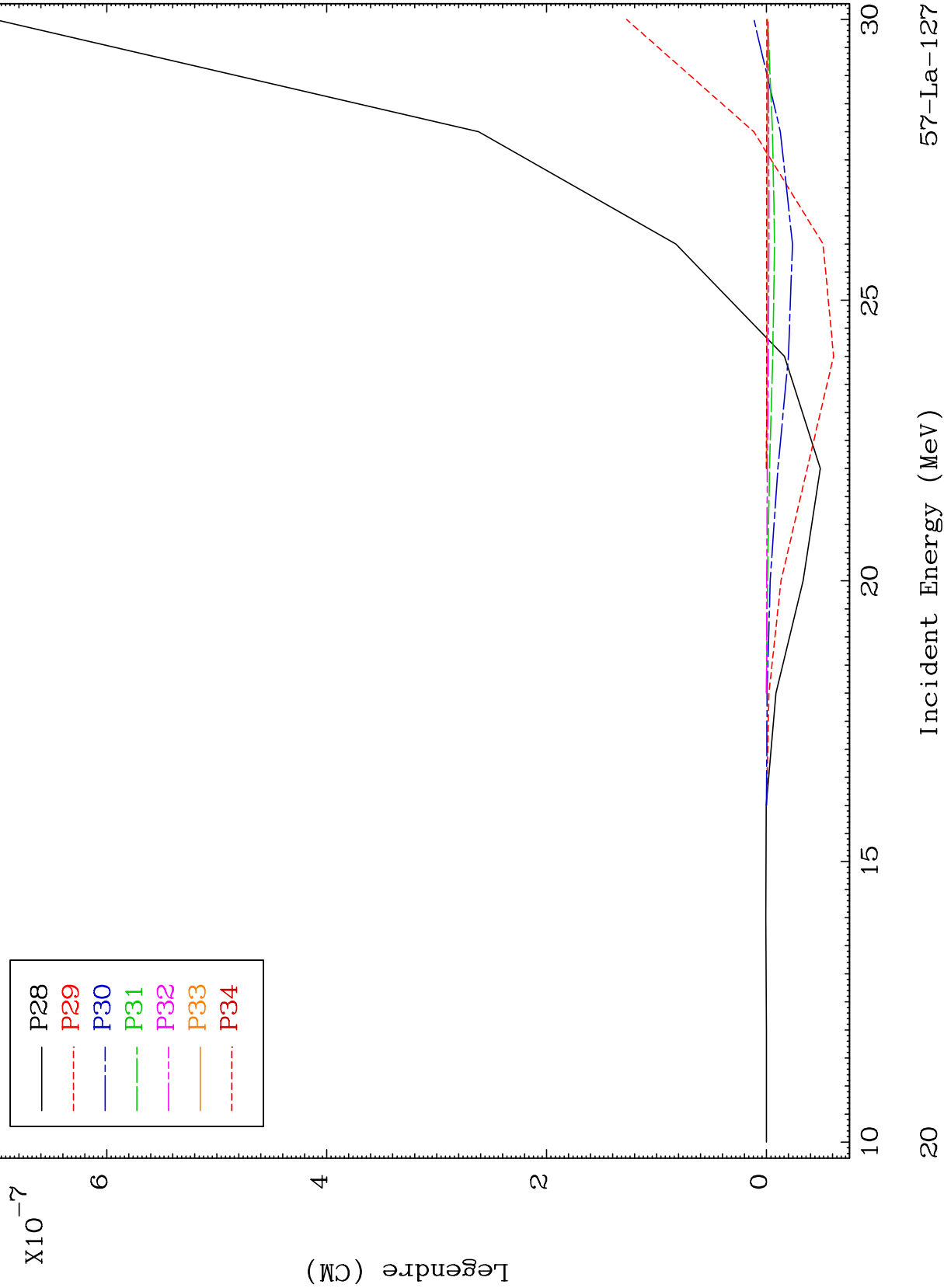
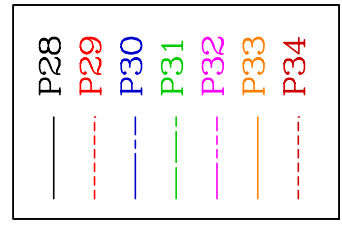
19

57-La-127

MAT 5692

Elastic
Legendre Coefficients

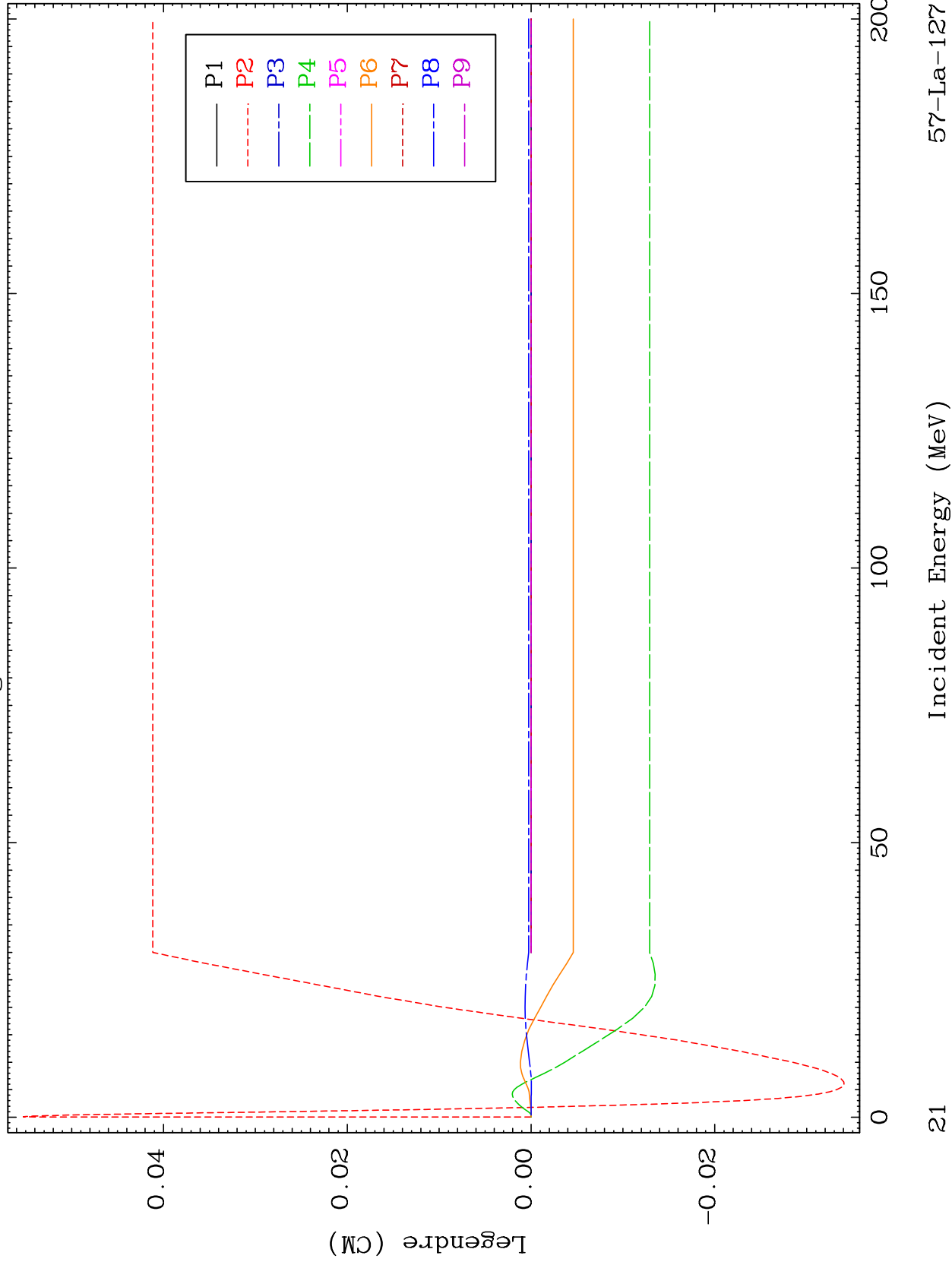
57-La-127



MAT 5692

14.20 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

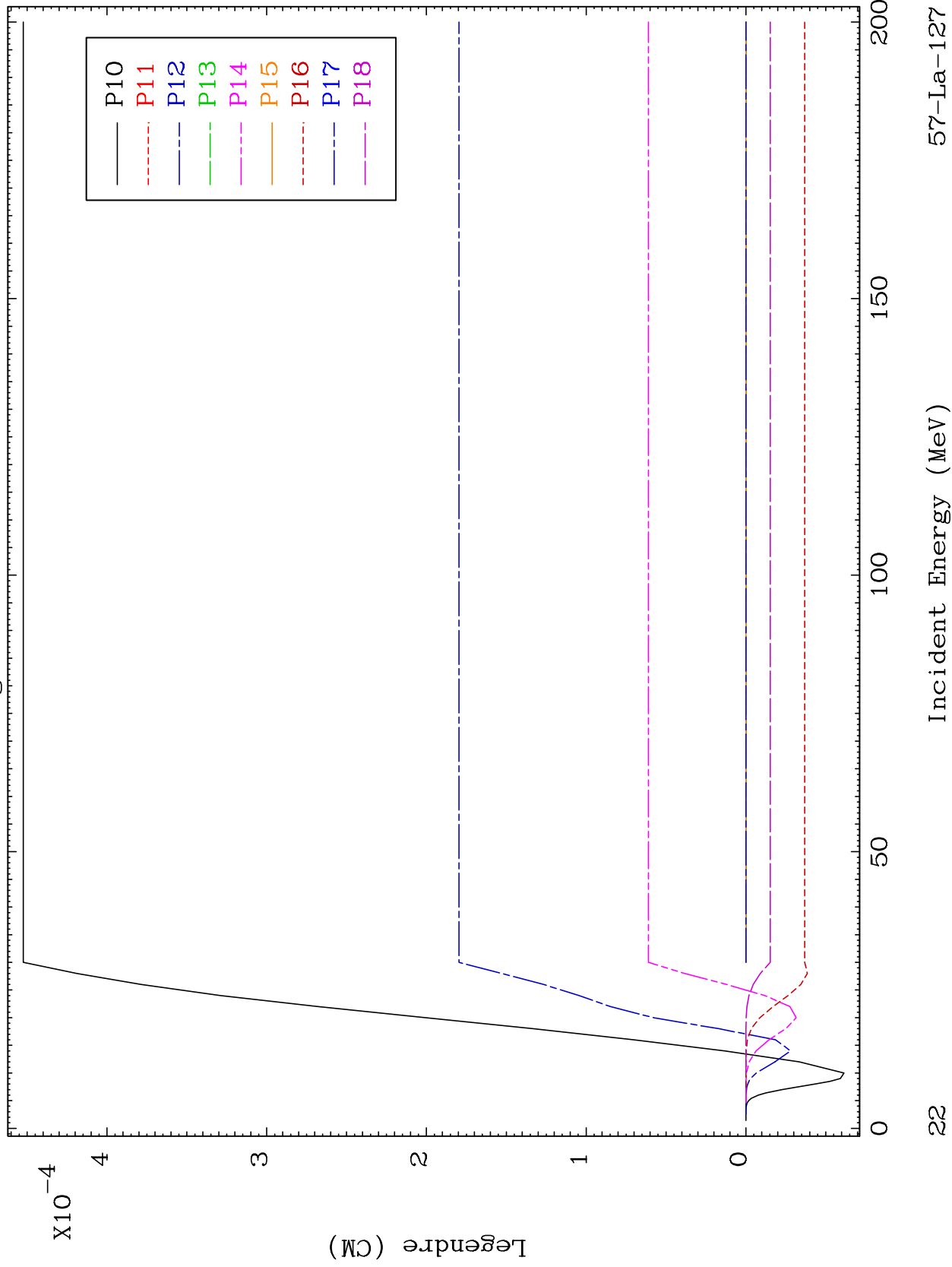
Incident Energy (MeV)

21

MAT 5692

14.20 keV (n,n') Level
Legendre Coefficients

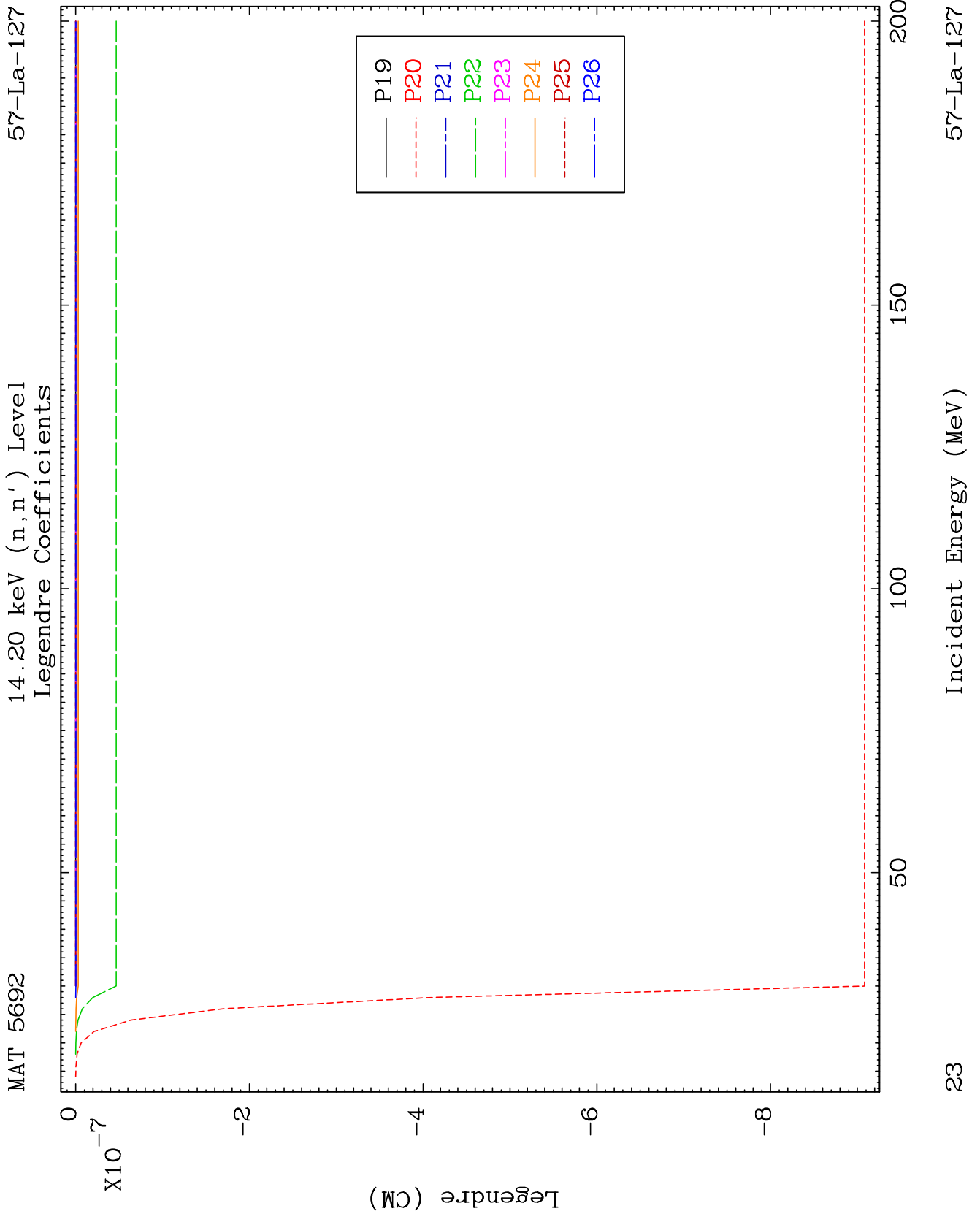
57-La-127



57-La-127

Incident Energy (MeV)

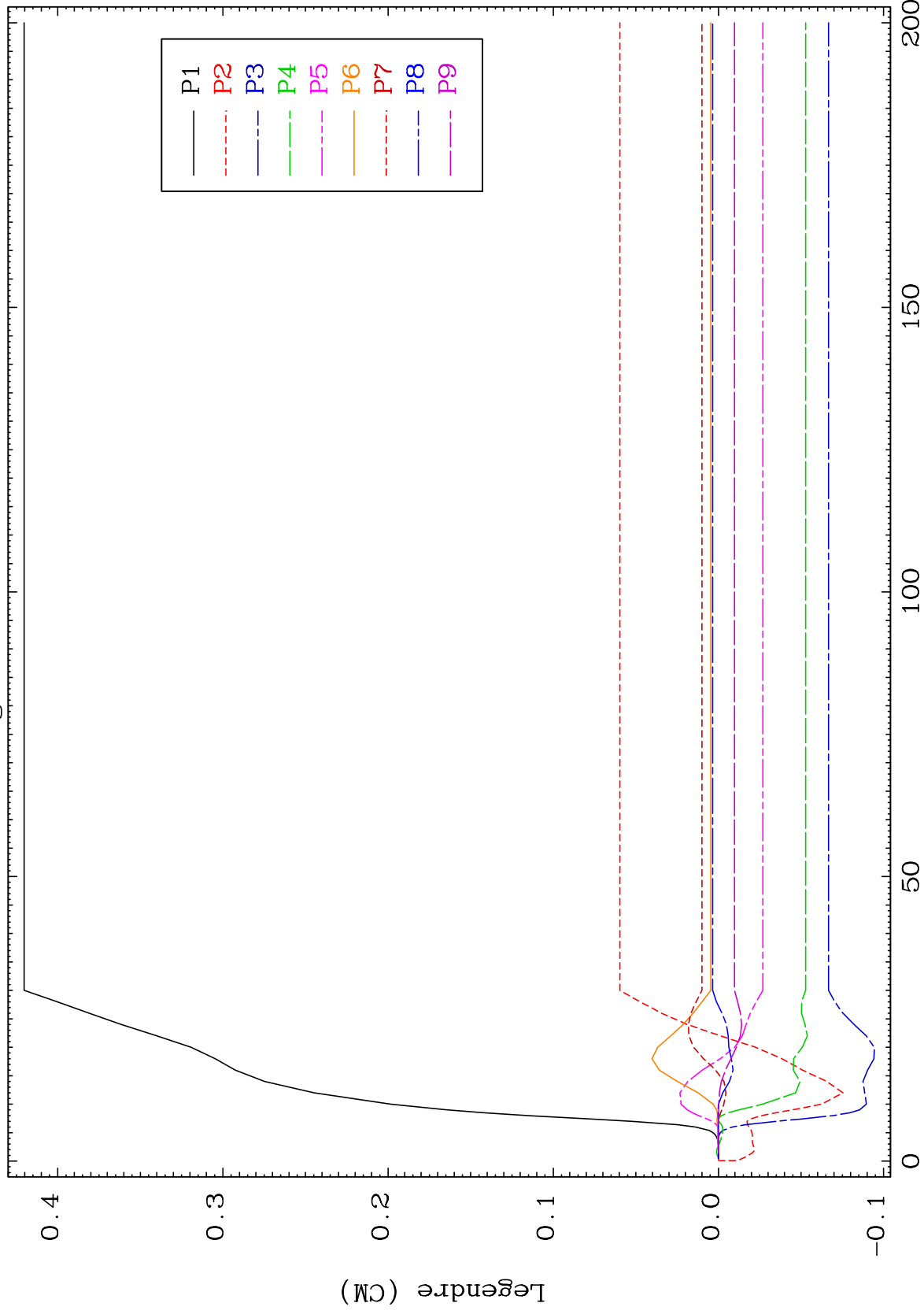
22



MAT 5692

72.80 keV (n,n') Level
Legendre Coefficients

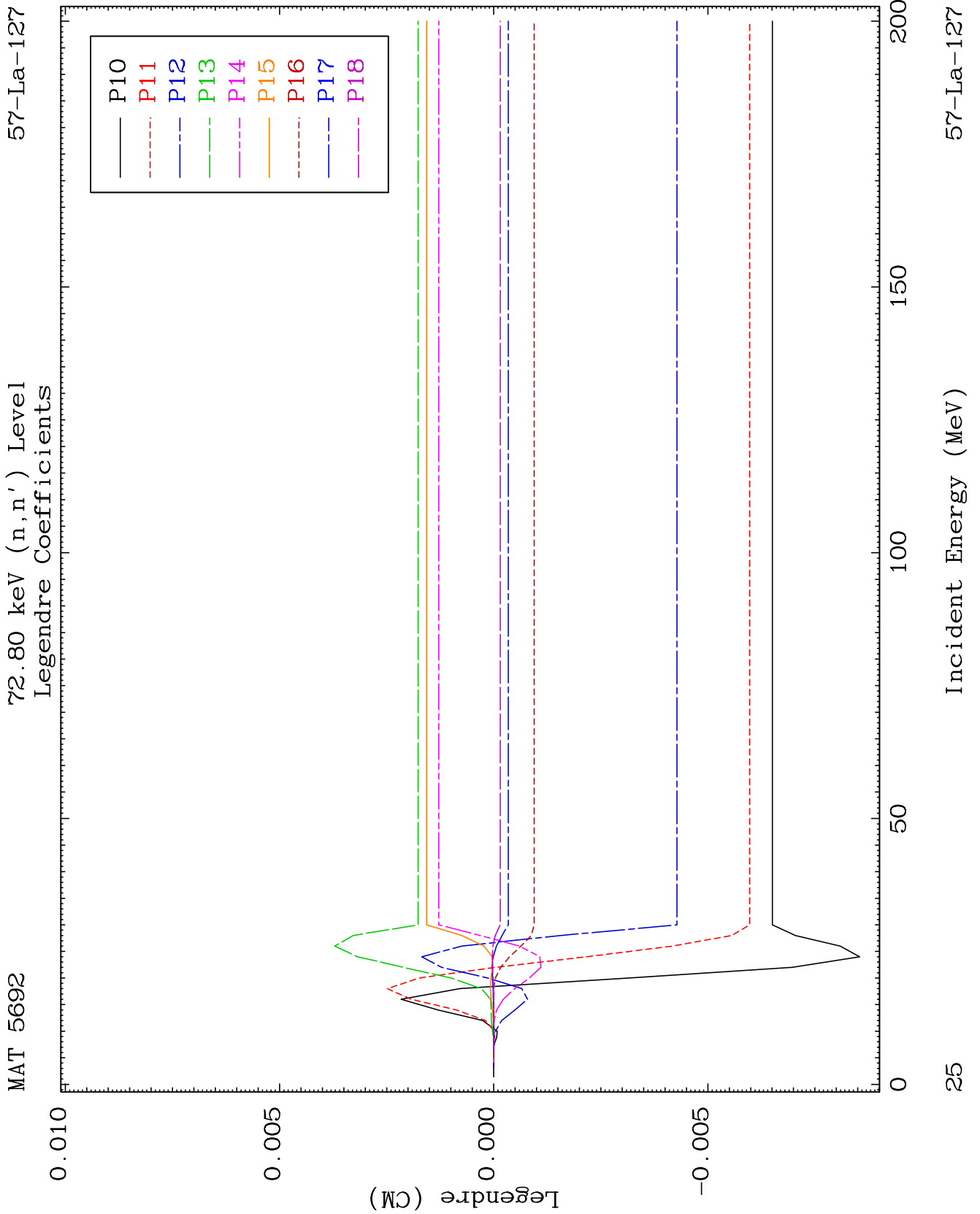
57-La-127

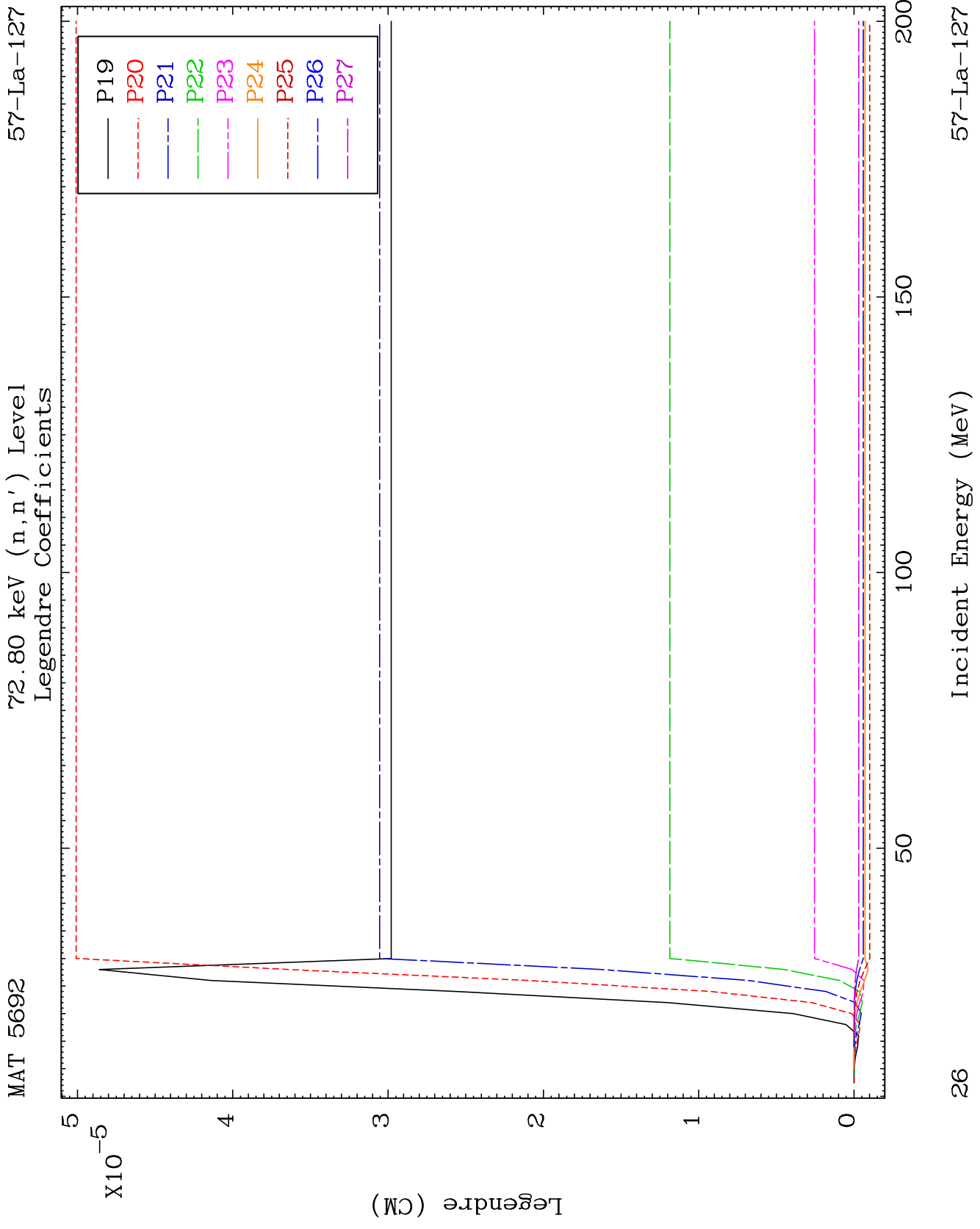


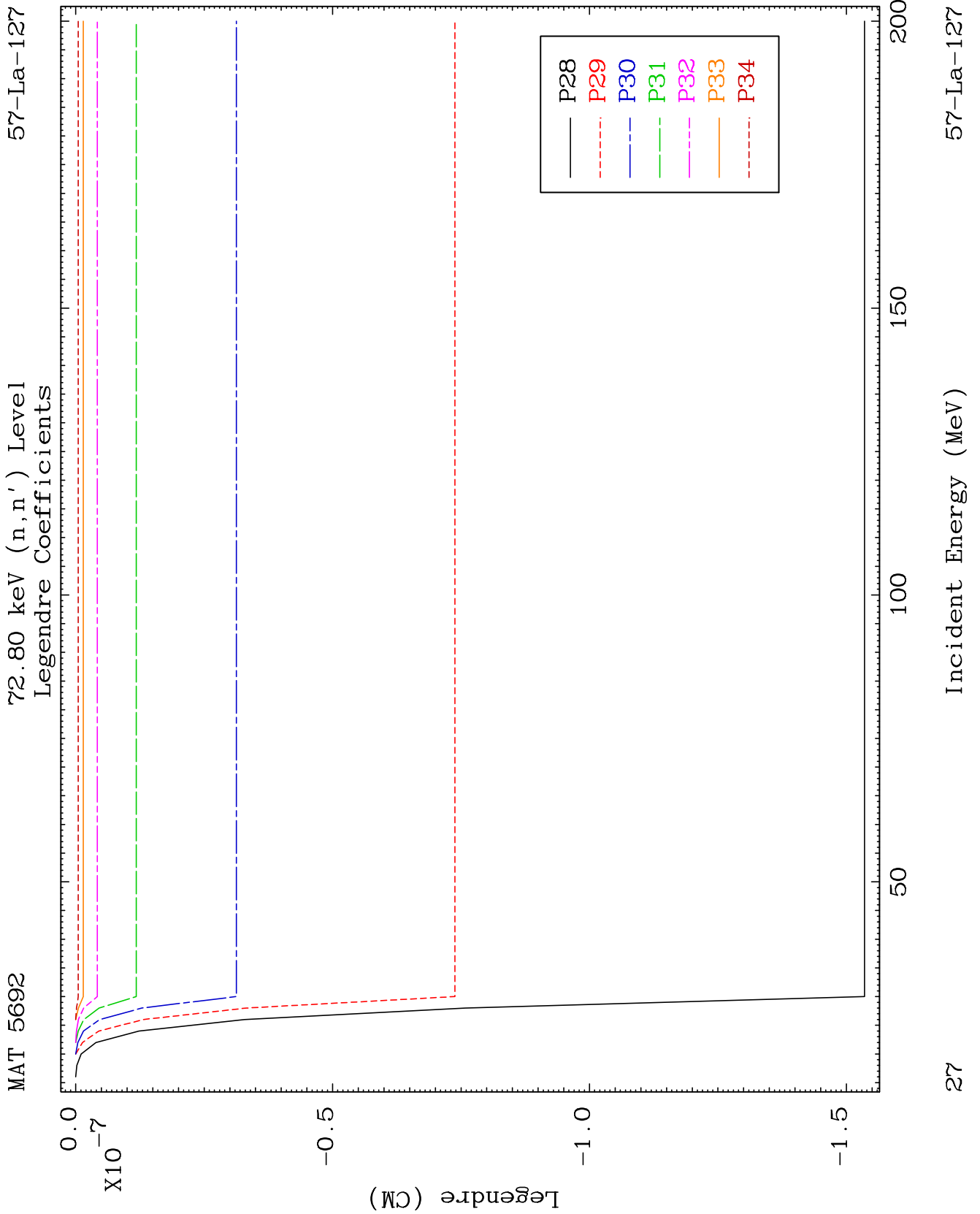
57-La-127

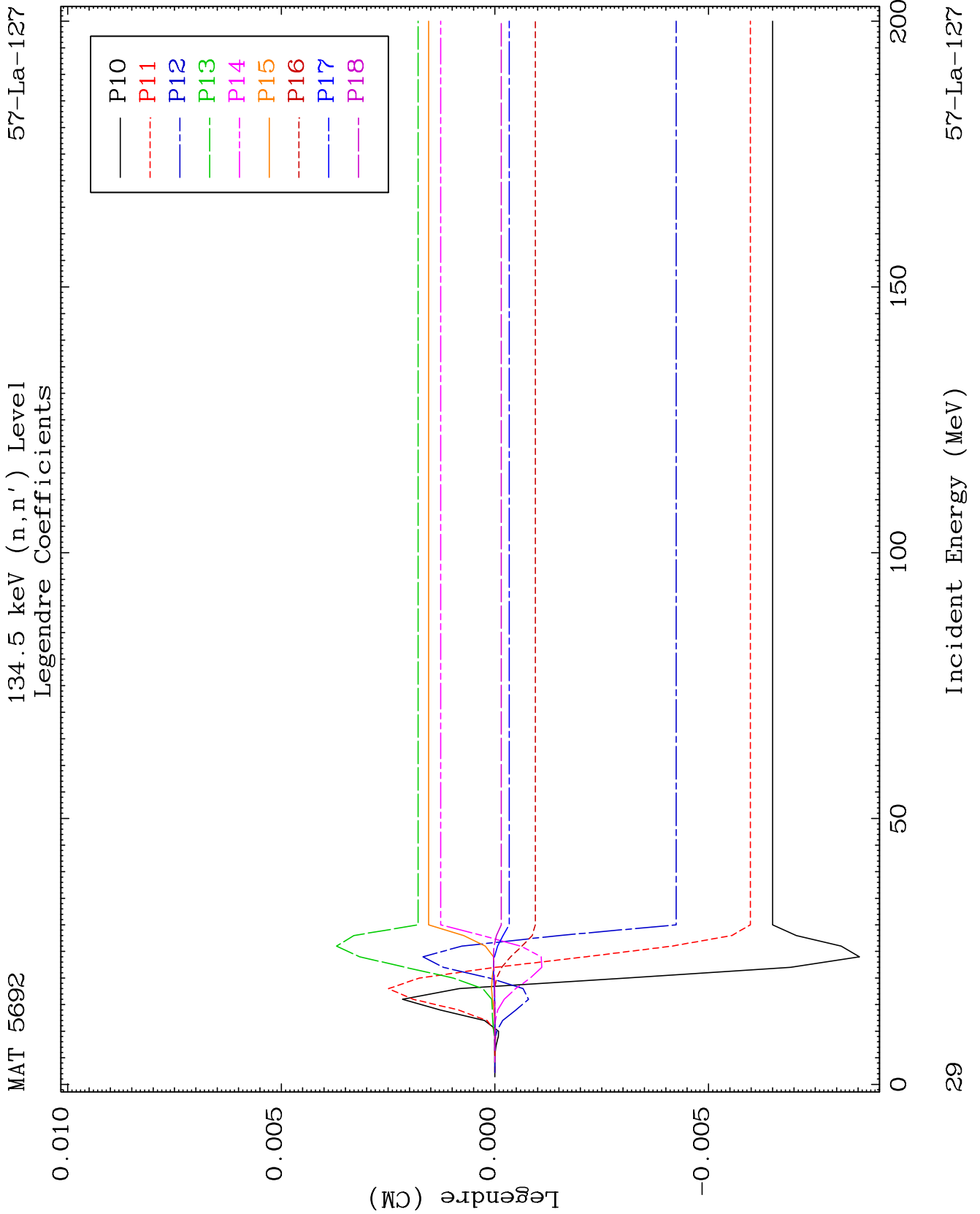
Incident Energy (MeV)

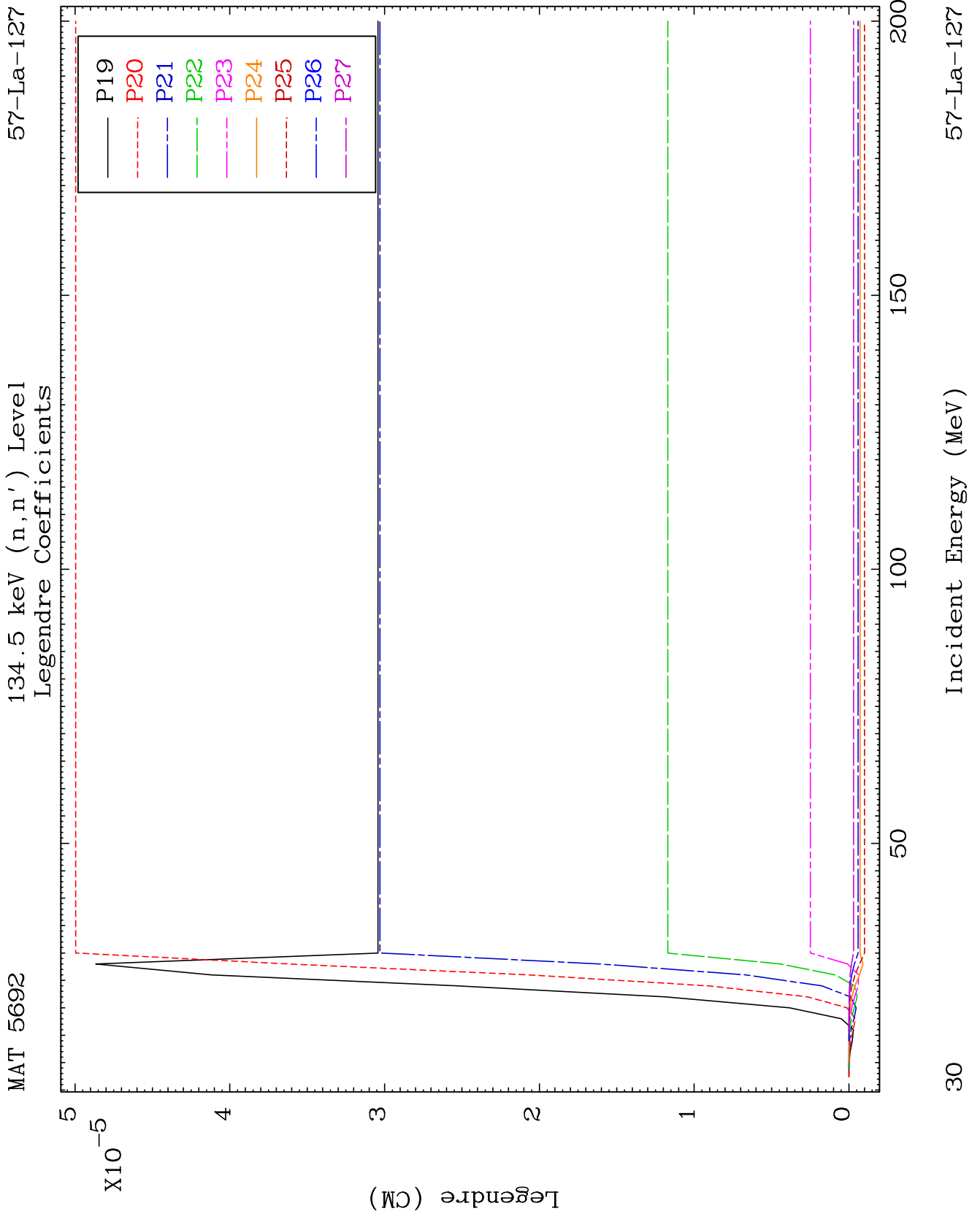
24

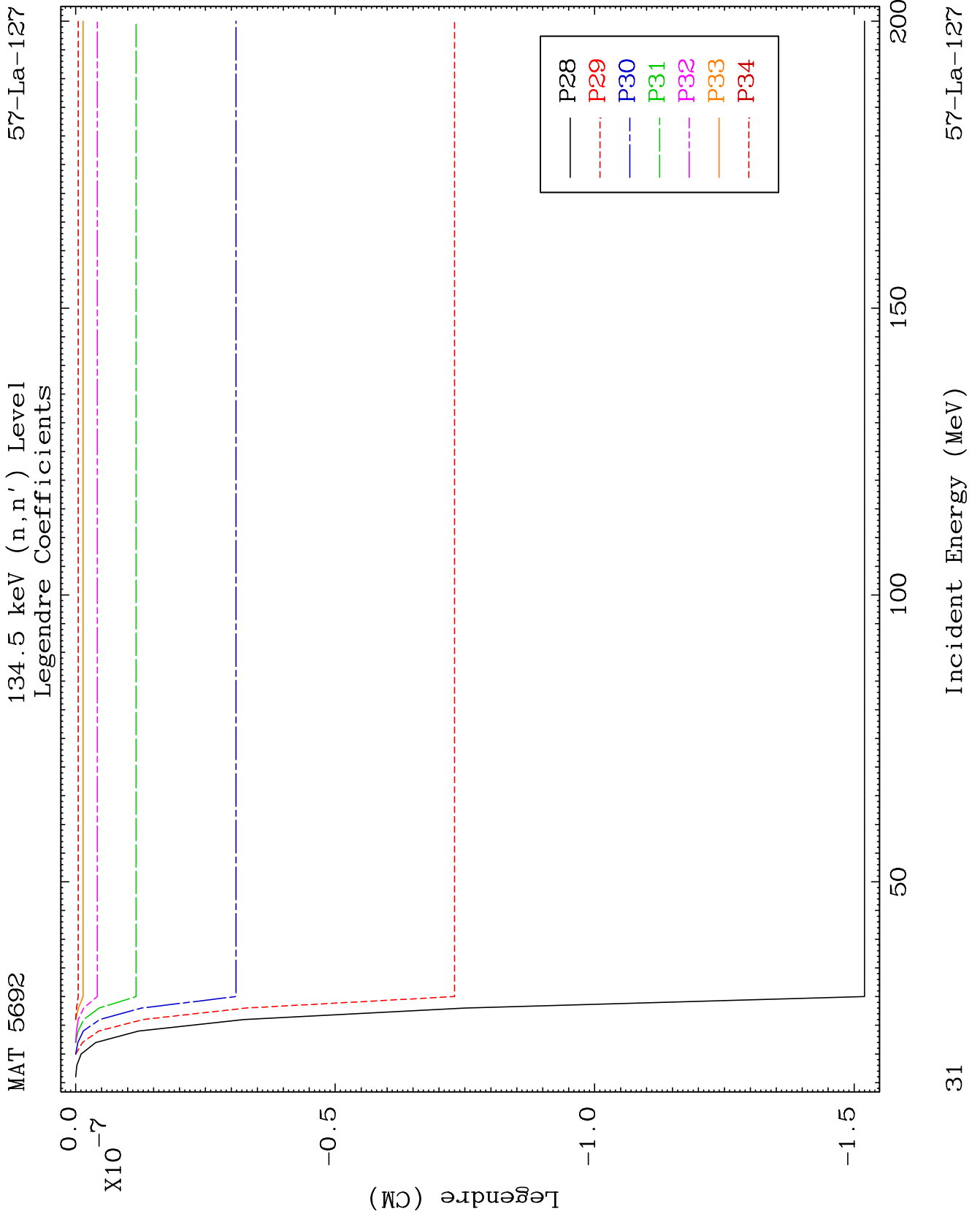








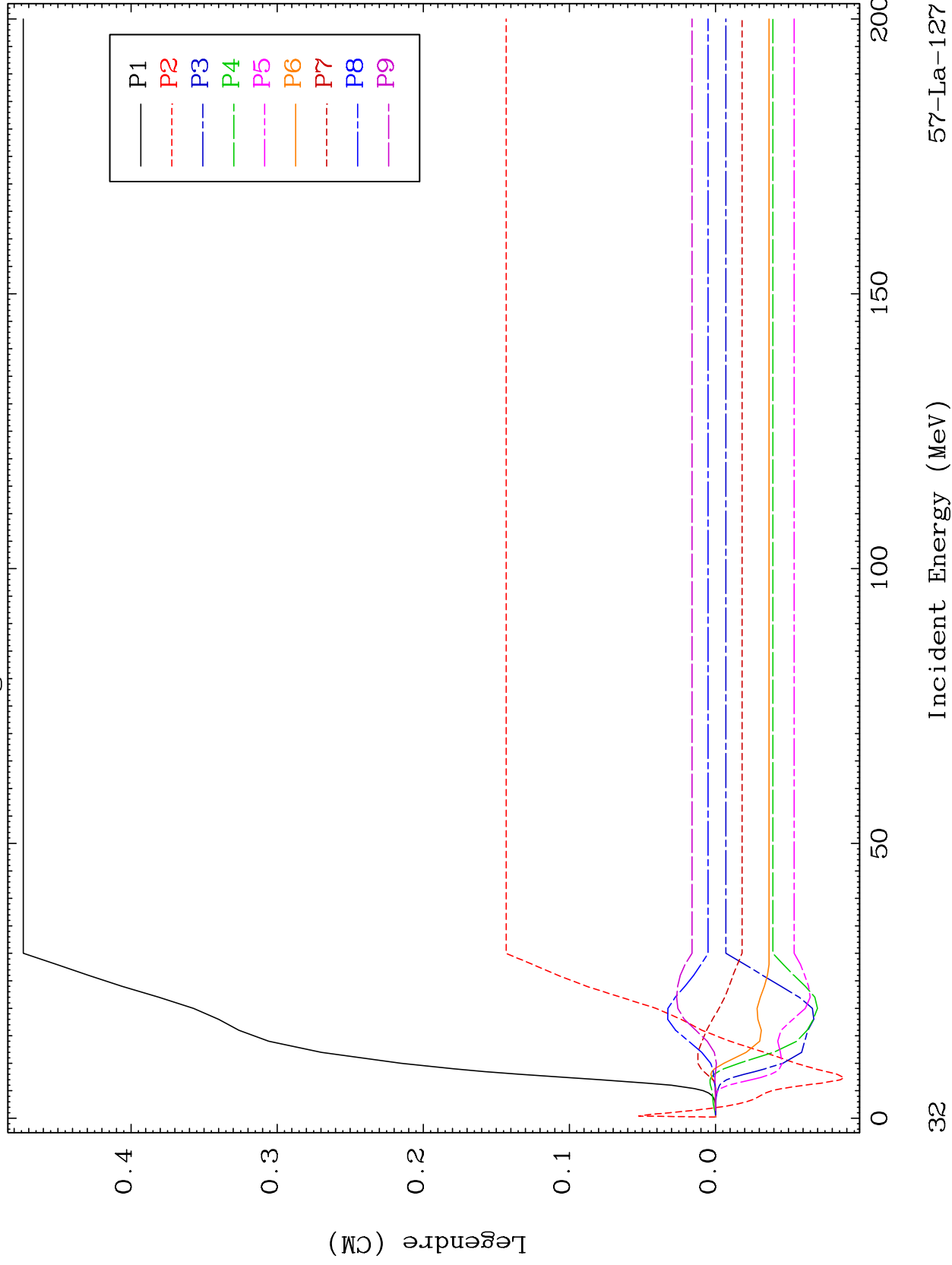




MAT 5692

210.2 keV (n,n') Level
Legendre Coefficients

57-La-127



32

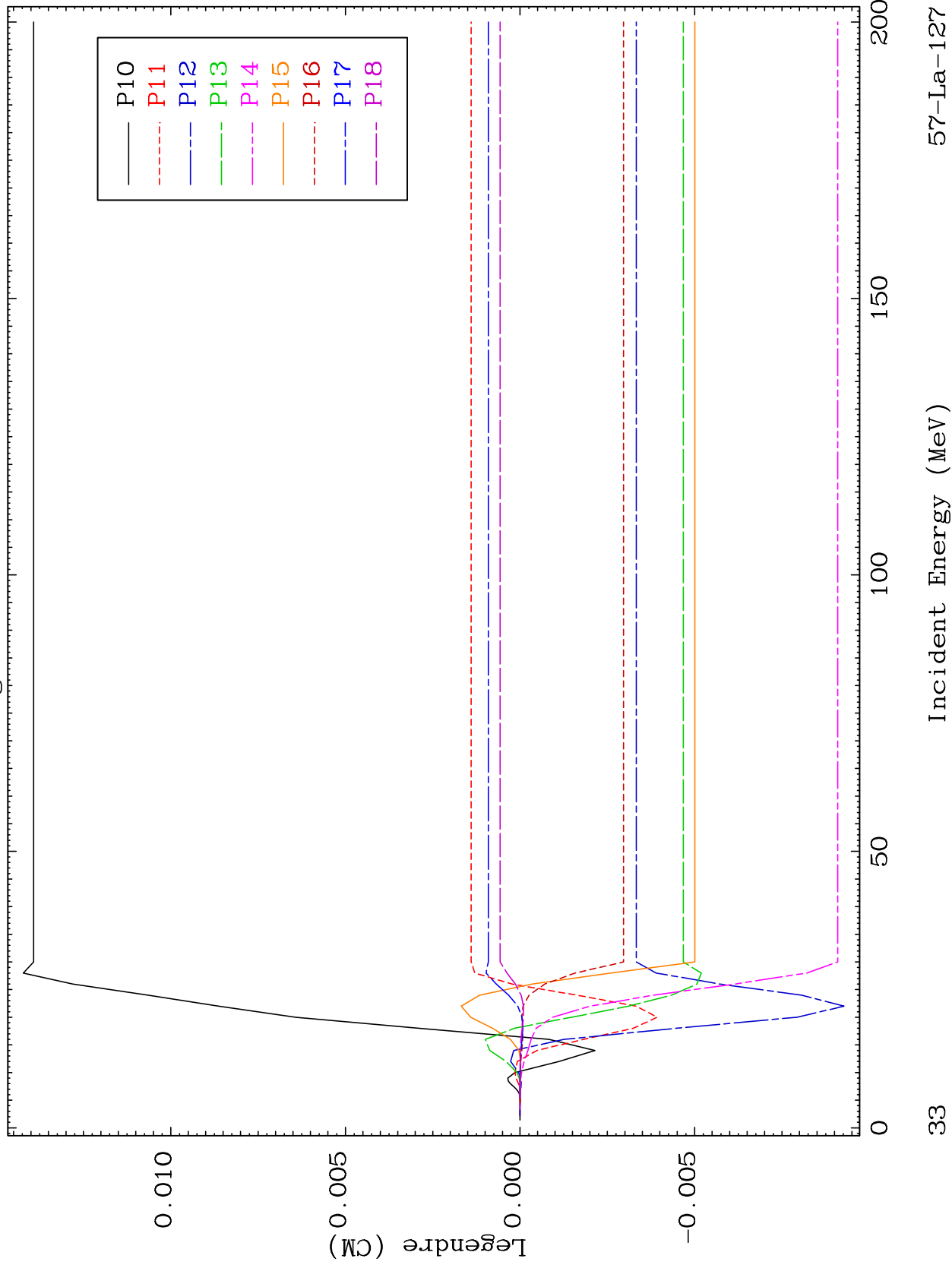
Incident Energy (MeV)

57-La-127

MAT 5692

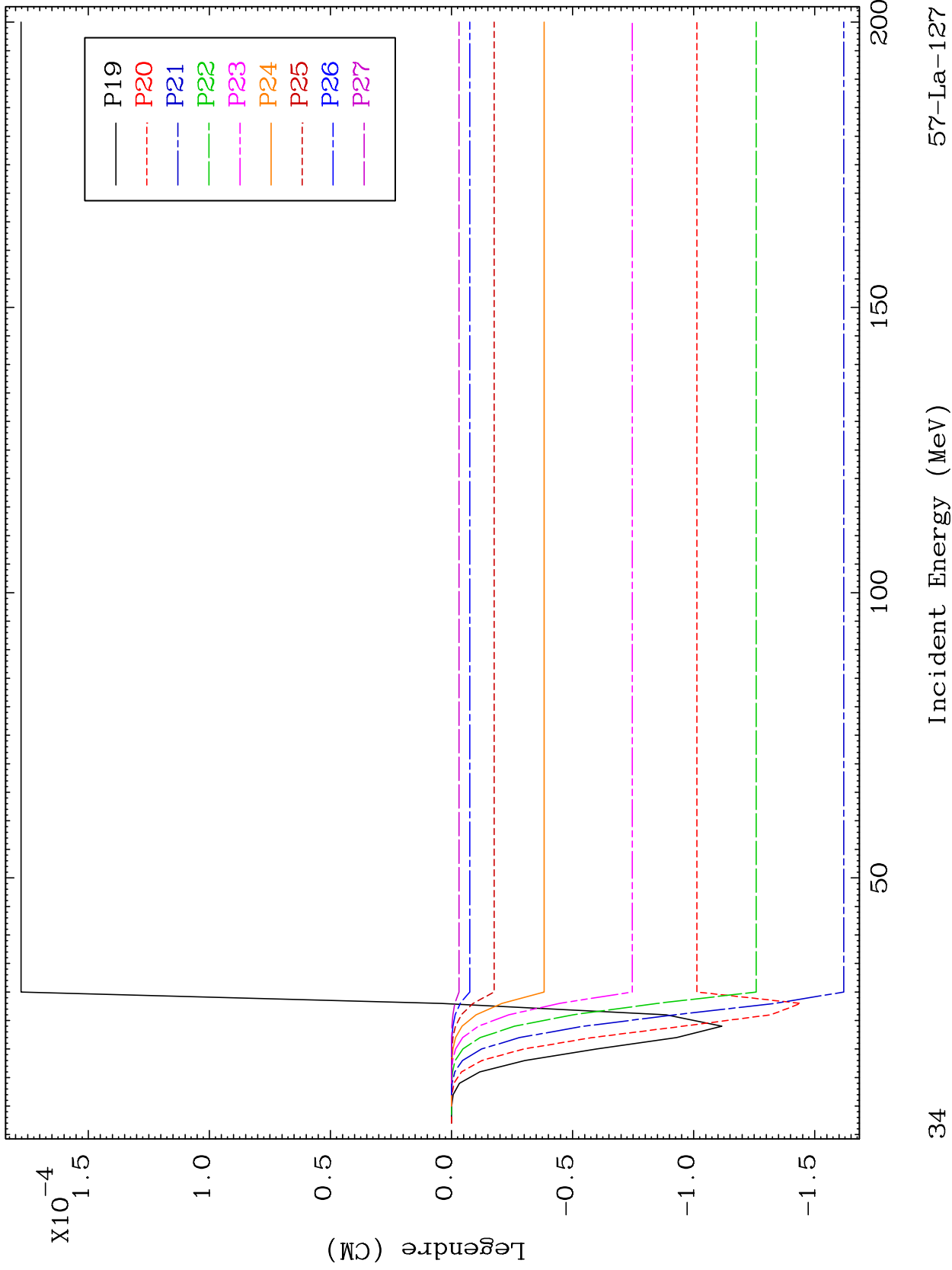
210.2 keV (n, n') Level
Legendre Coefficients

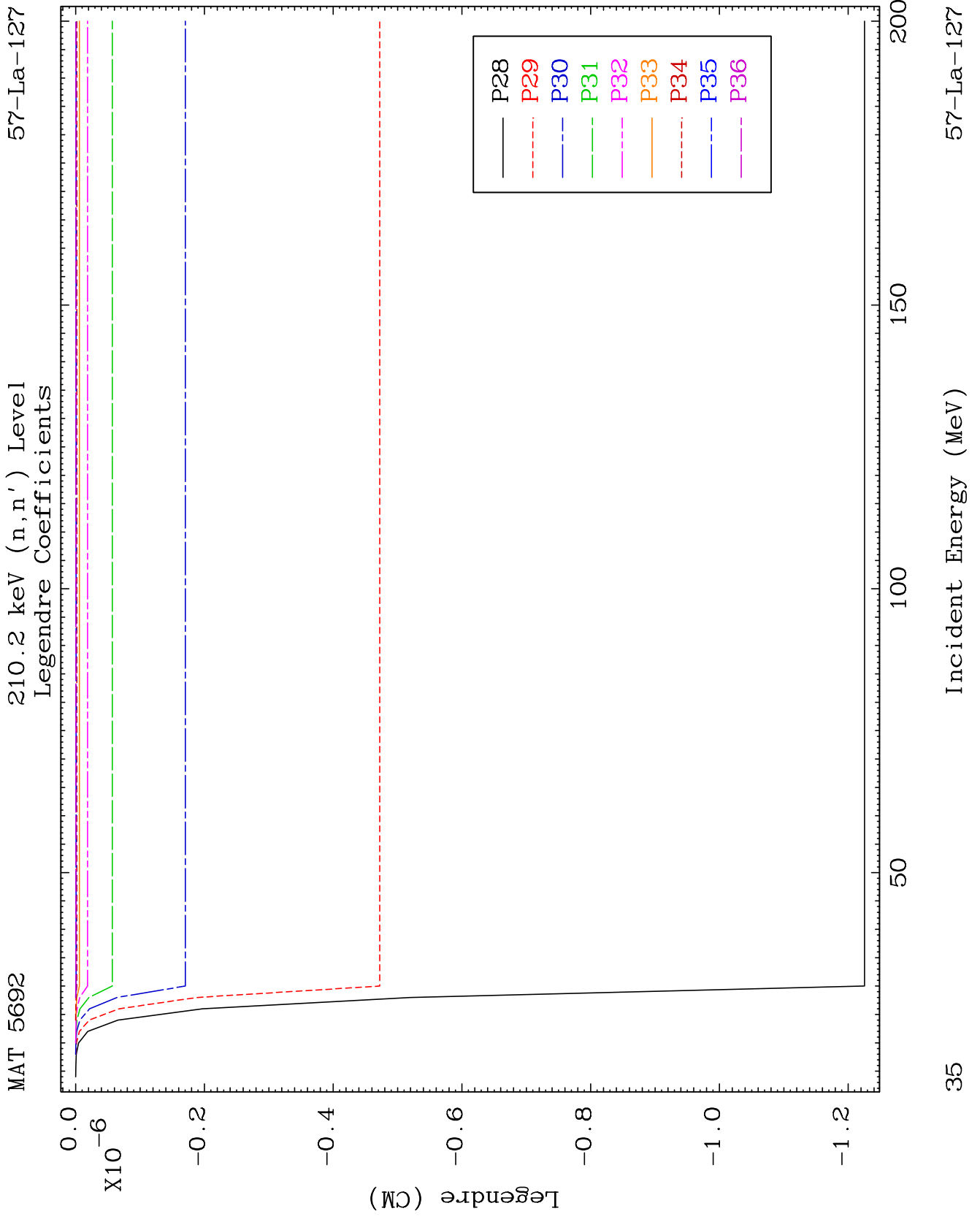
57-La-127



33

57-La-127

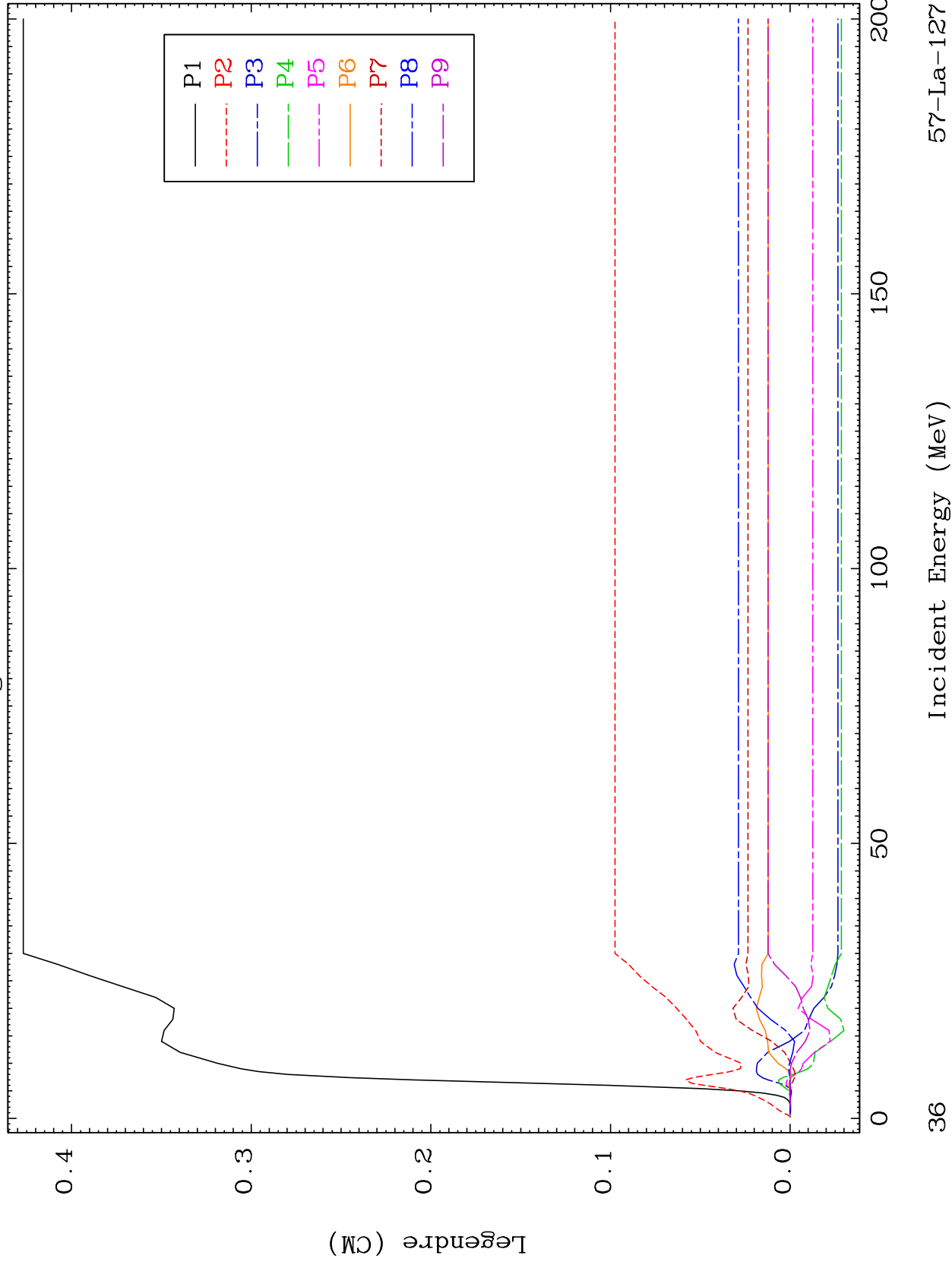




MAT 5692

226.3 keV (n,n') Level
Legendre Coefficients

57-La-127



36

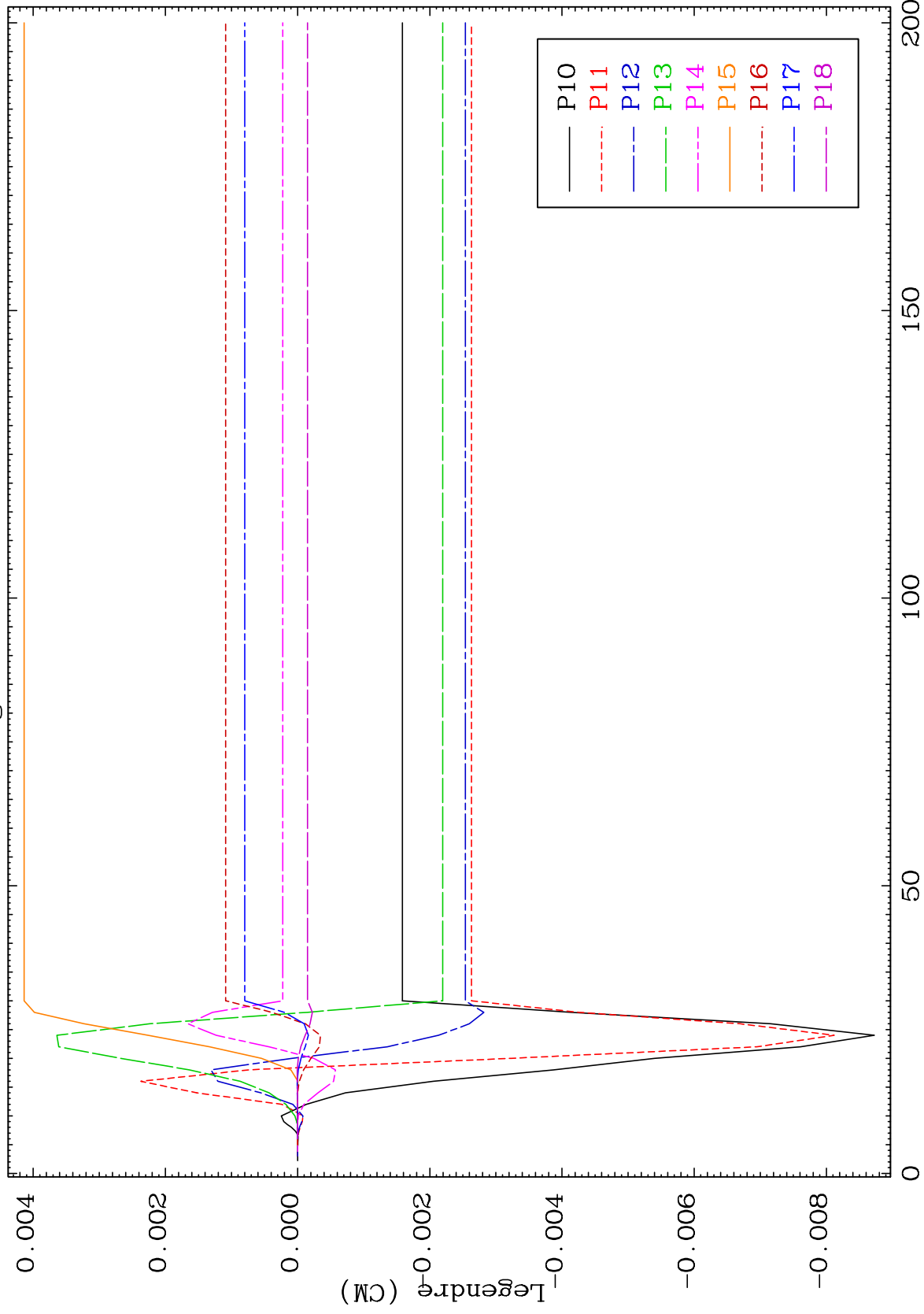
Incident Energy (MeV)

57-La-127

MAT 5692

226.3 keV (n,n') Level
Legendre Coefficients

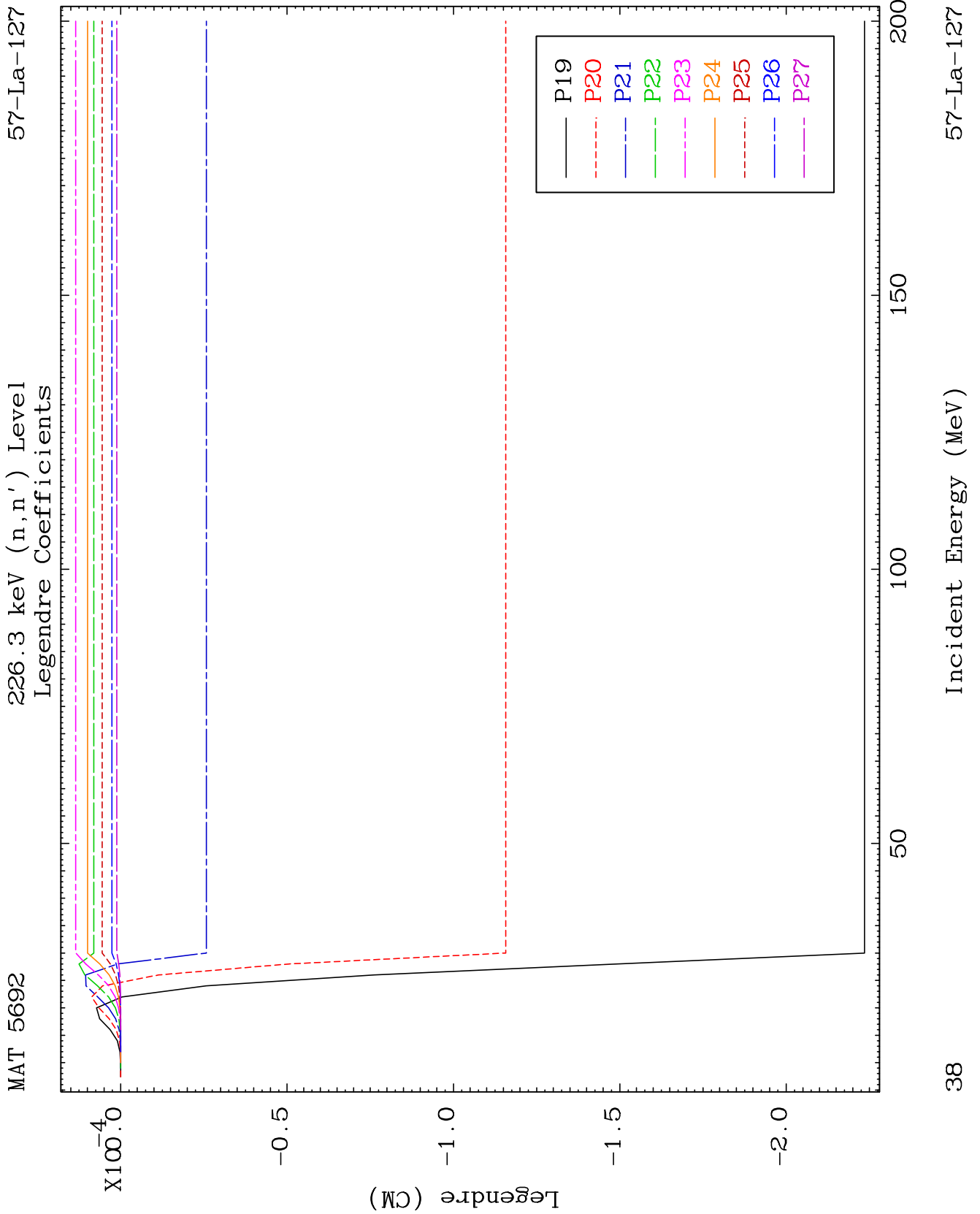
57-La-127



37

Incident Energy (MeV)

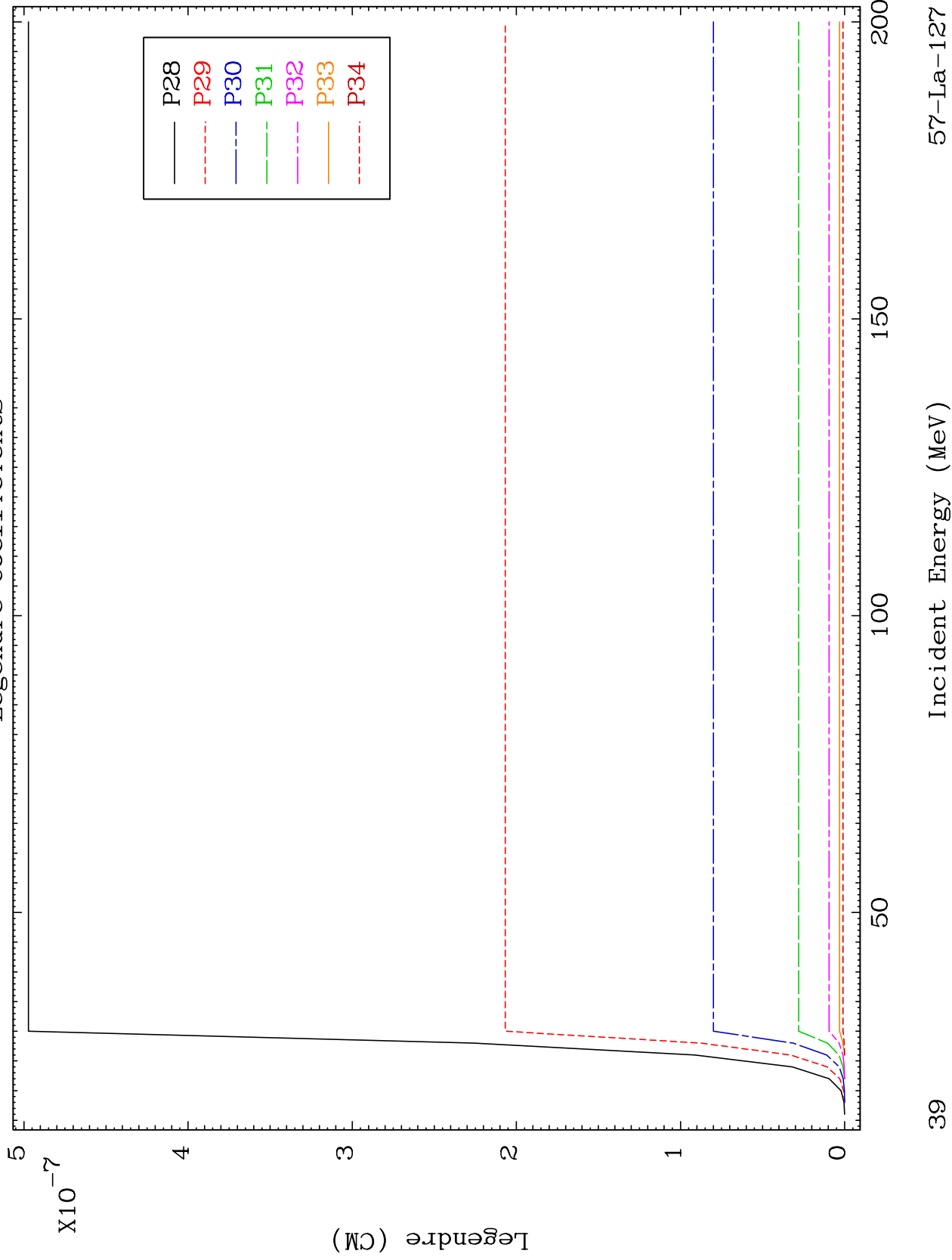
57-La-127



MAT 5692

226.3 keV (n,n') Level
Legendre Coefficients

57-La-127



39

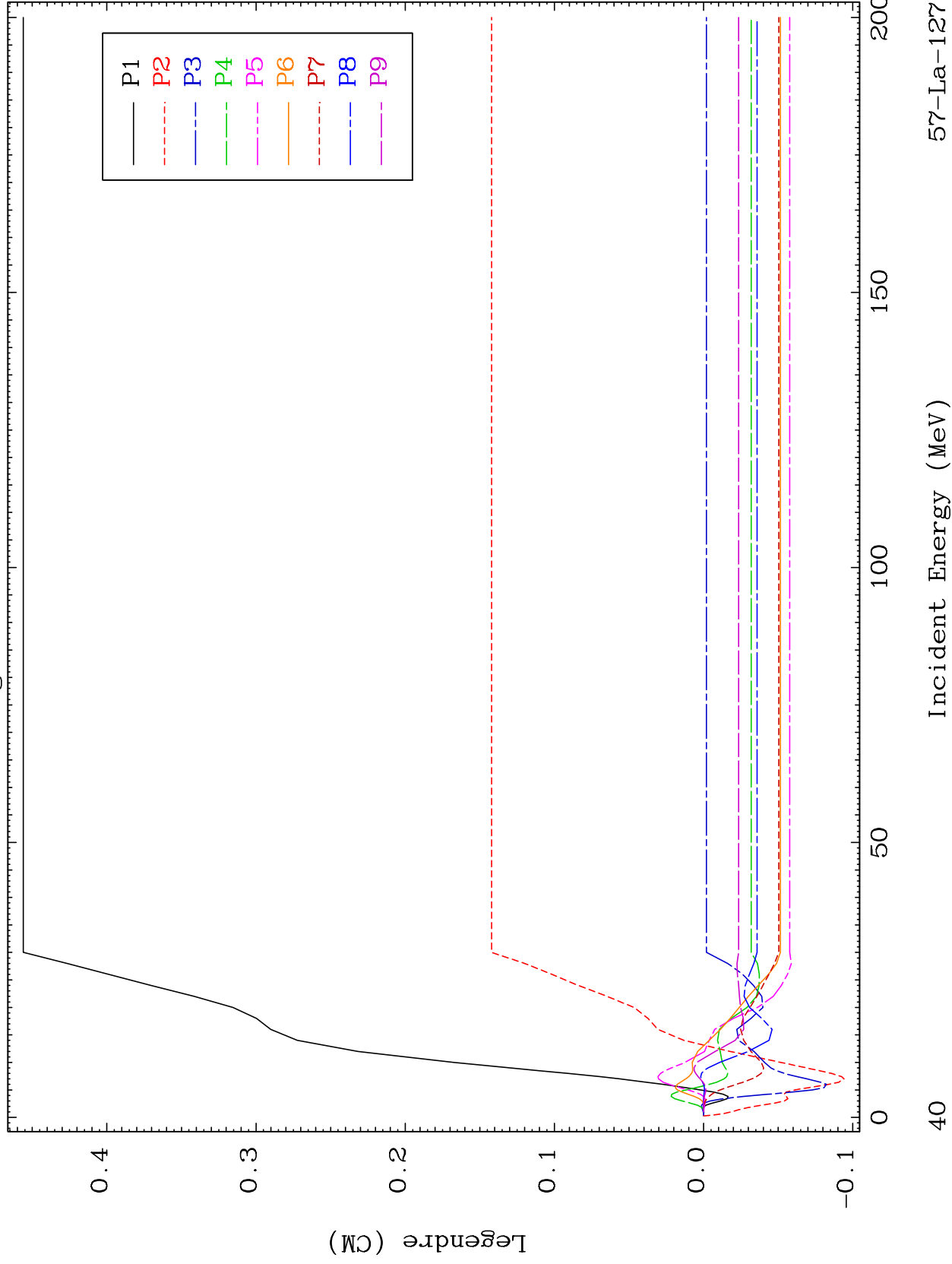
Incident Energy (MeV)

57-La-127

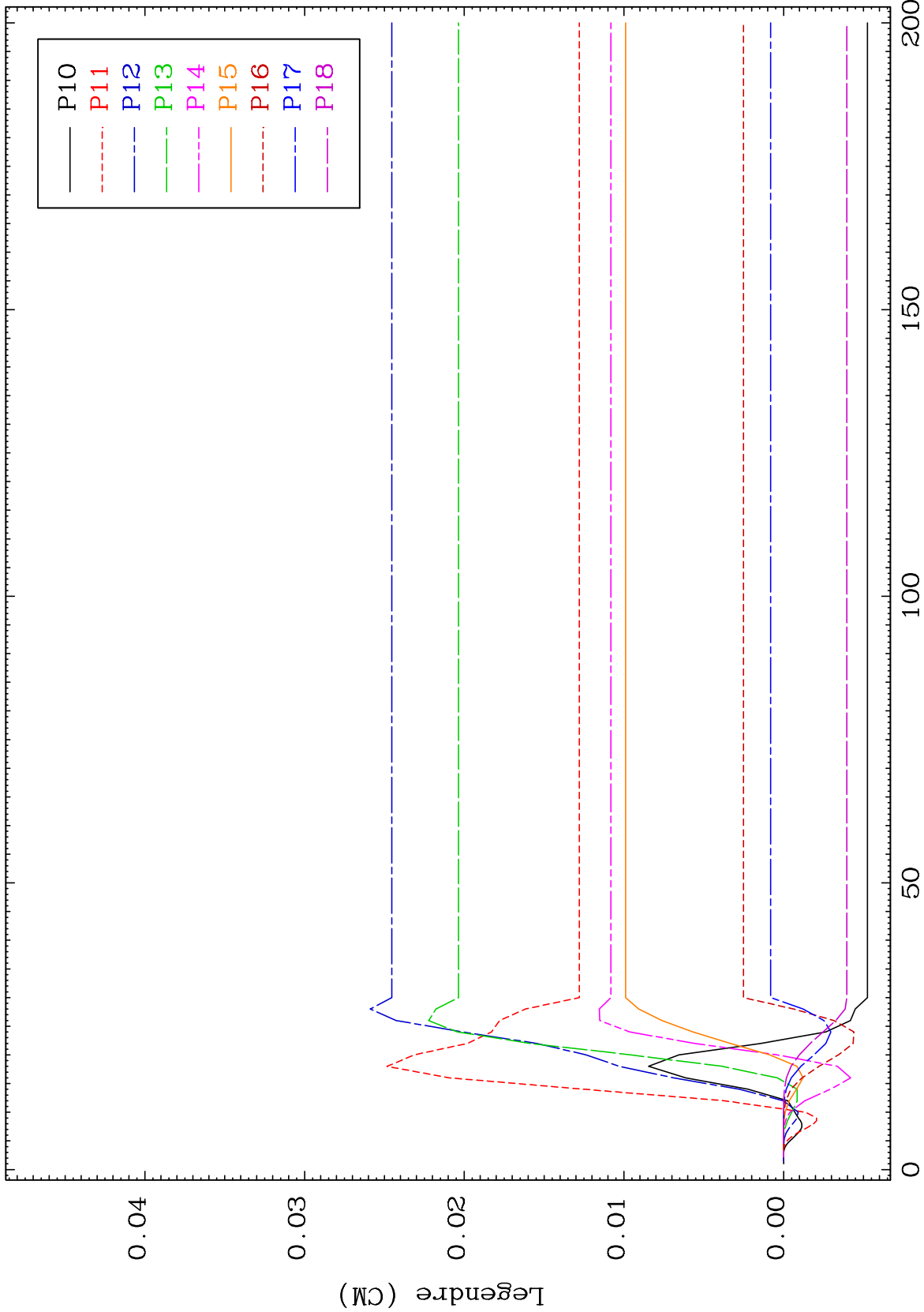
MAT 5692

250.0 keV (n,n') Level
Legendre Coefficients

57-La-127



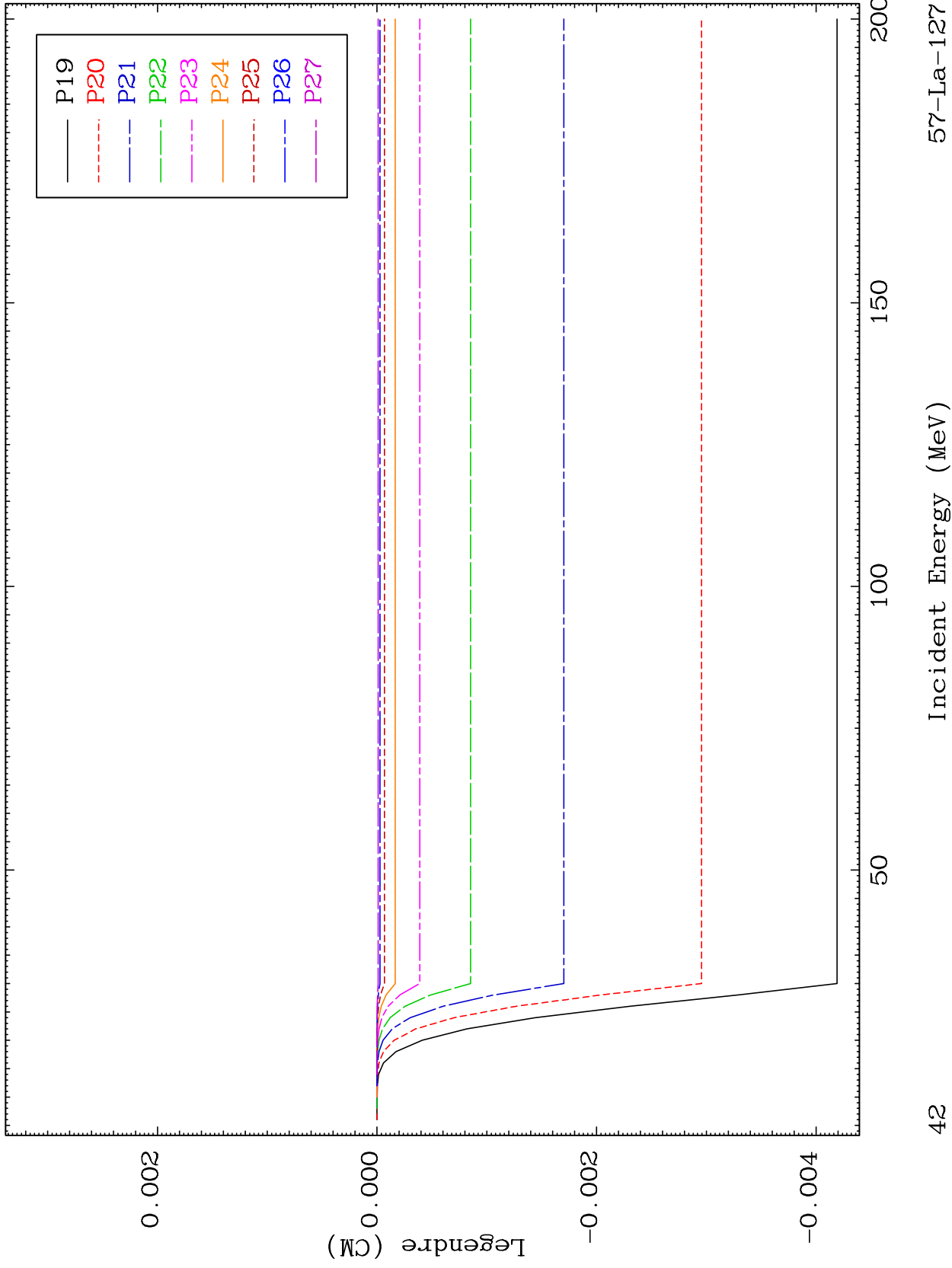
57-La-127



MAT 5692

250.0 keV (n,n') Level
Legendre Coefficients

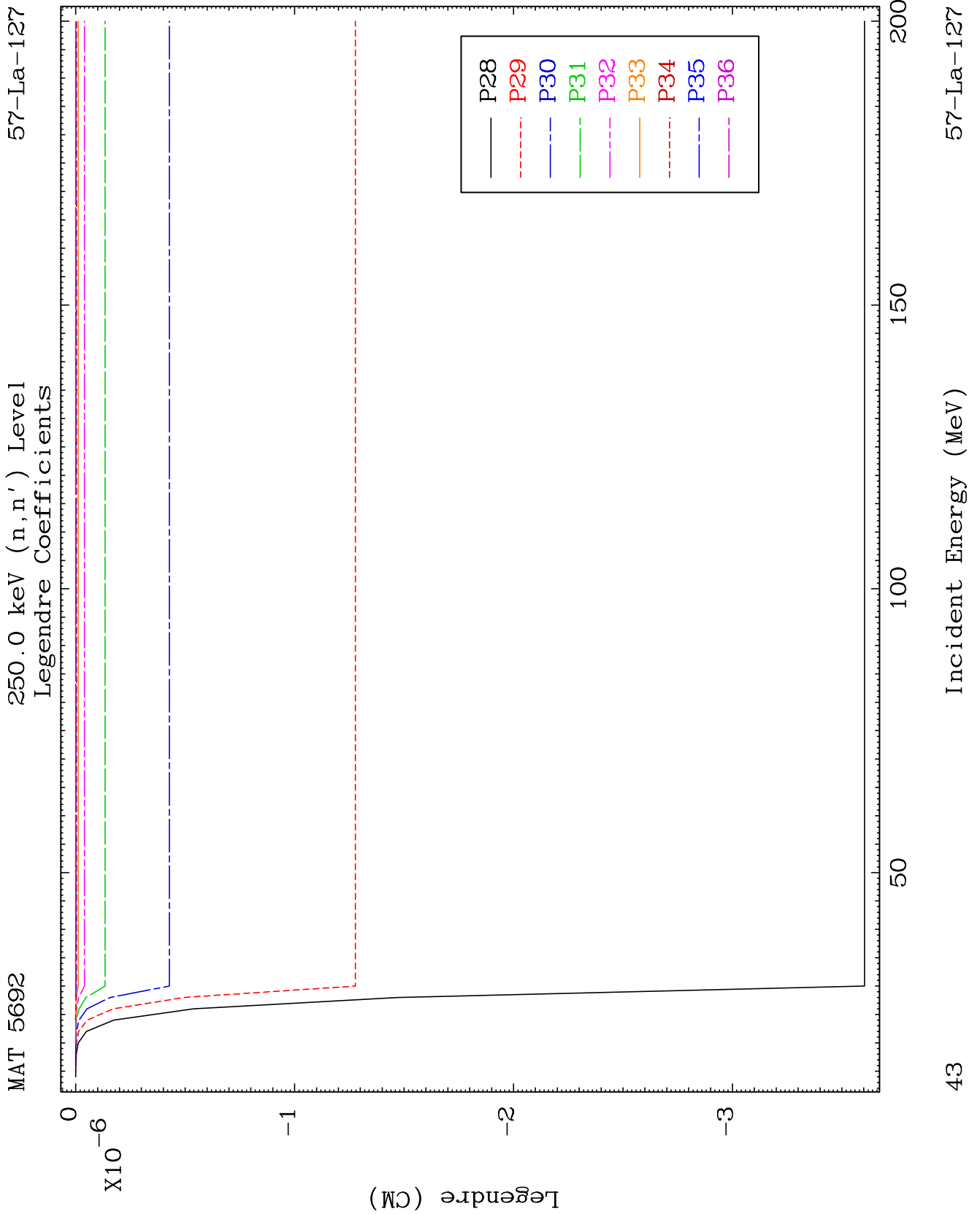
57-La-127



42

Incident Energy (MeV)

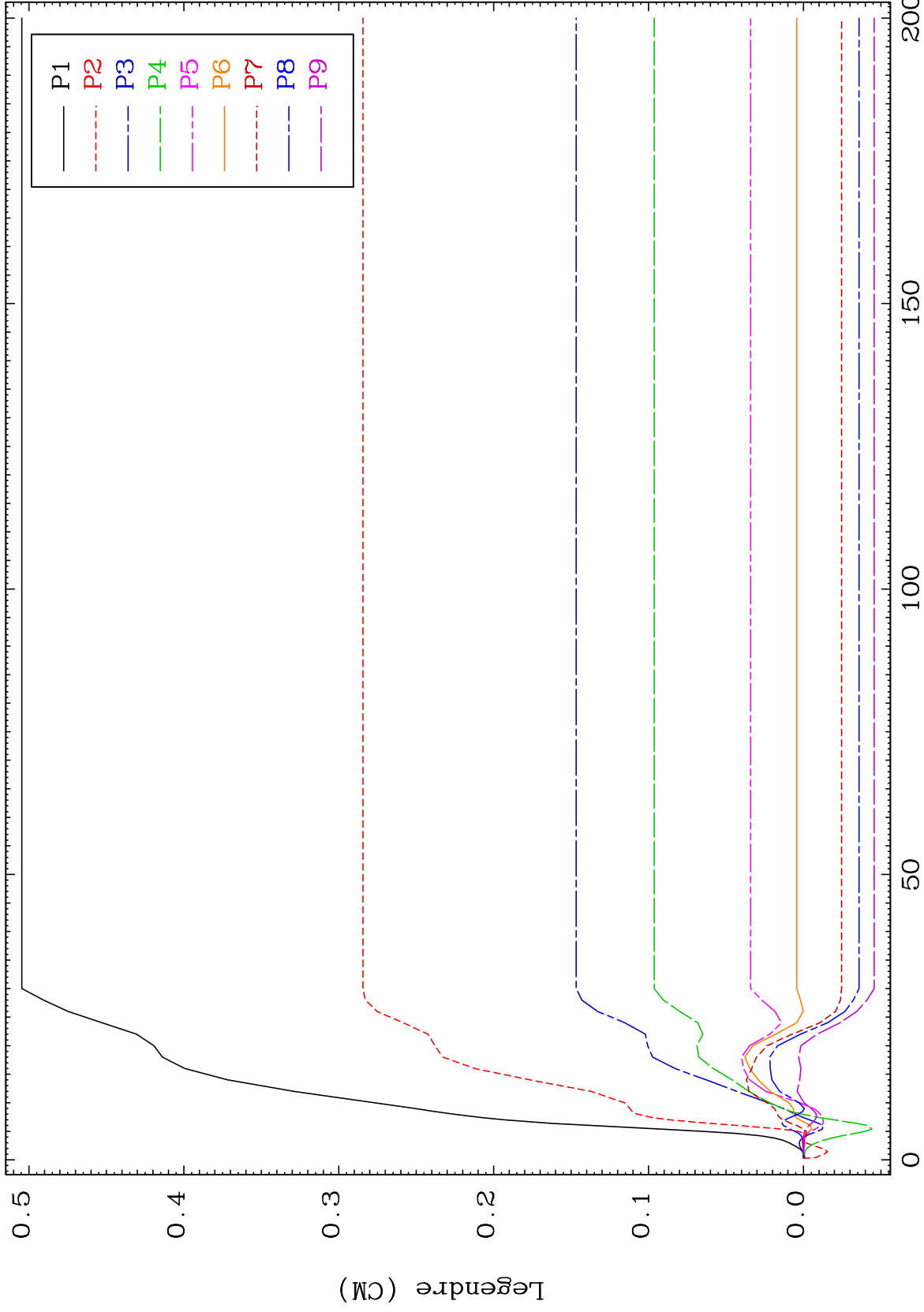
57-La-127



MAT 5692

252.4 keV (n,n') Level
Legendre Coefficients

57-La-127



44

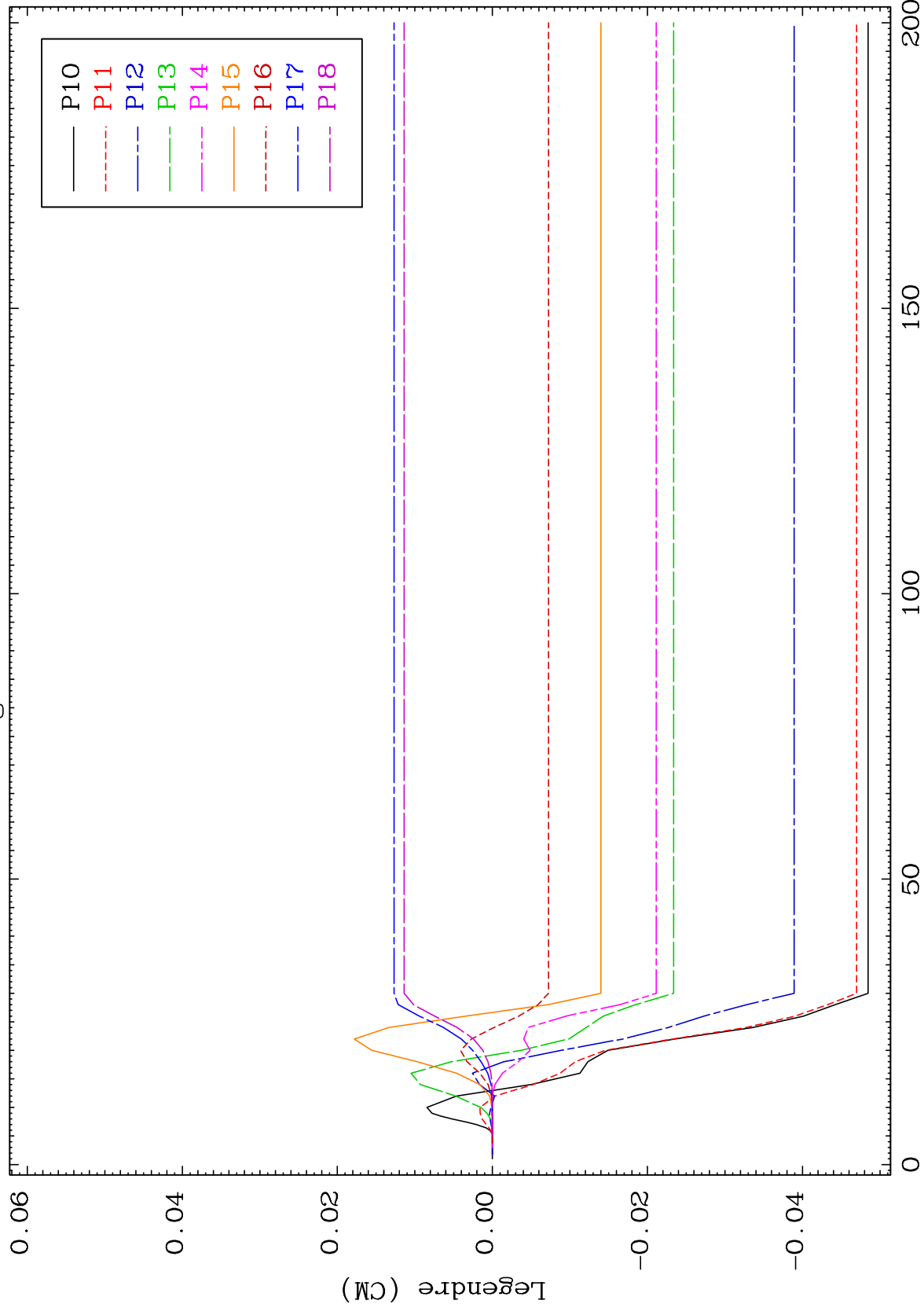
Incident Energy (MeV)

57-La-127

MAT 5692

252.4 keV (n,n') Level
Legendre Coefficients

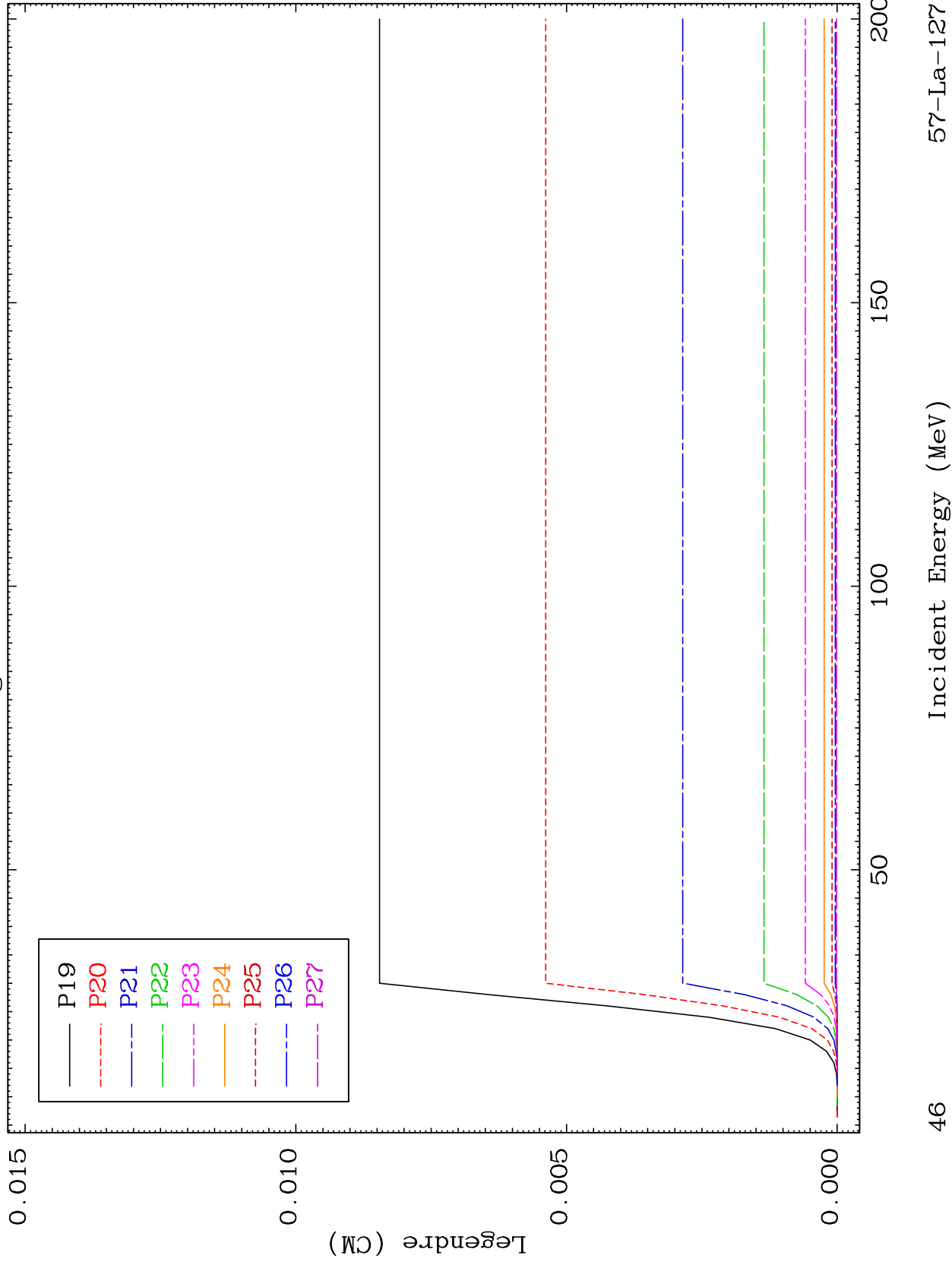
57-La-127



57-La-127

Incident Energy (MeV)

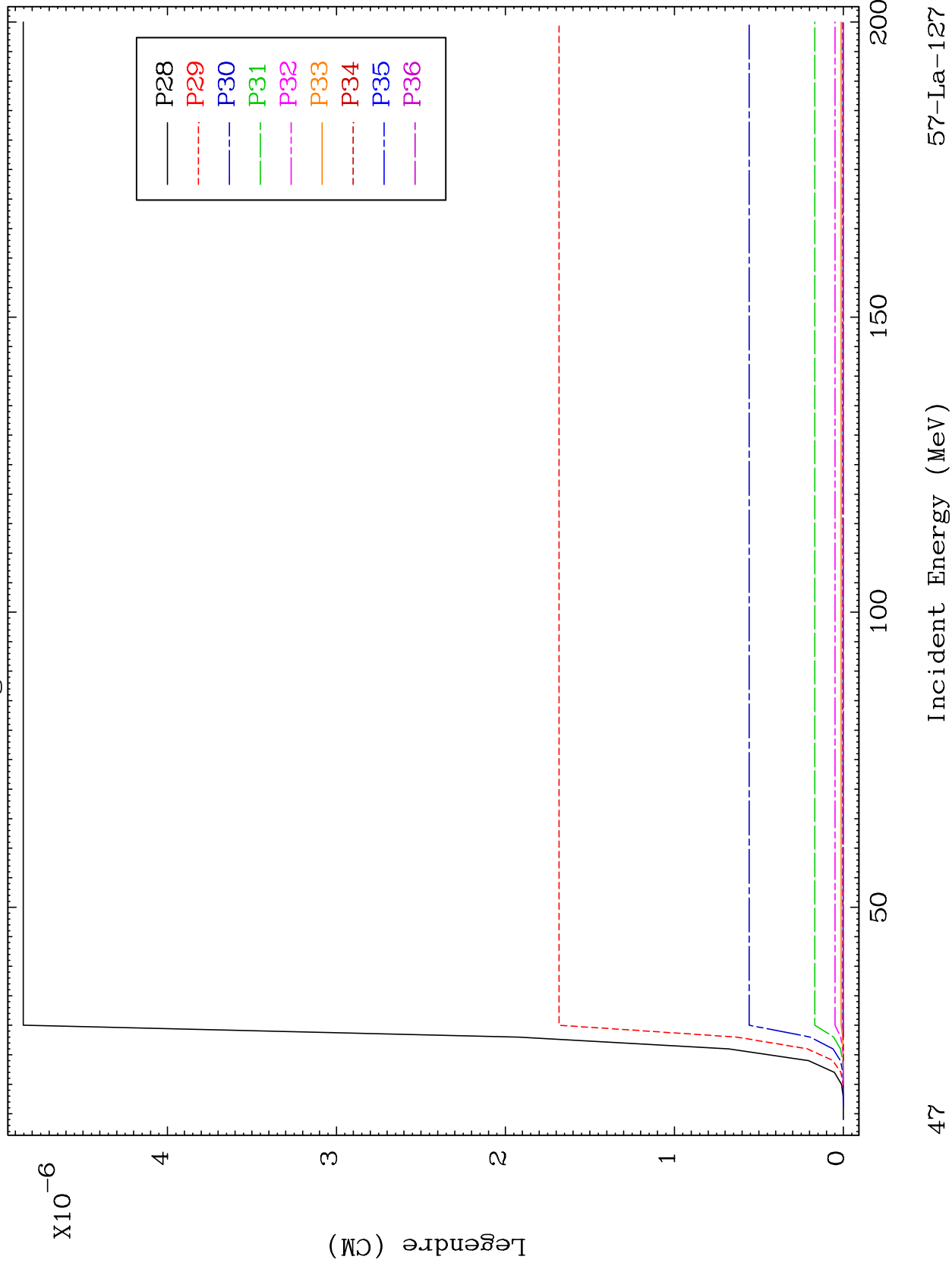
45



MAT 5692

252.4 keV (n,n') Level
Legendre Coefficients

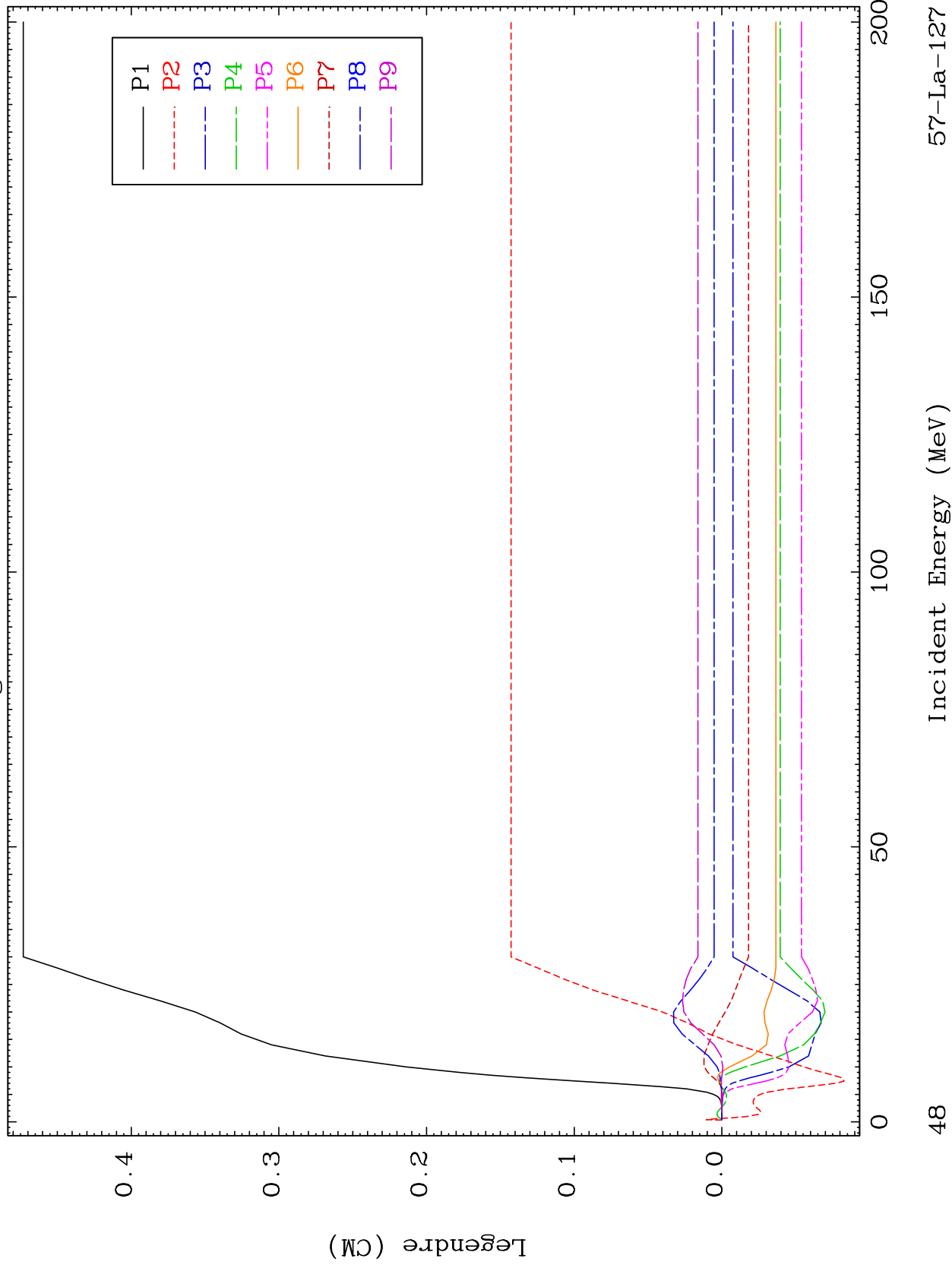
57-La-127



MAT 5692

325.8 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

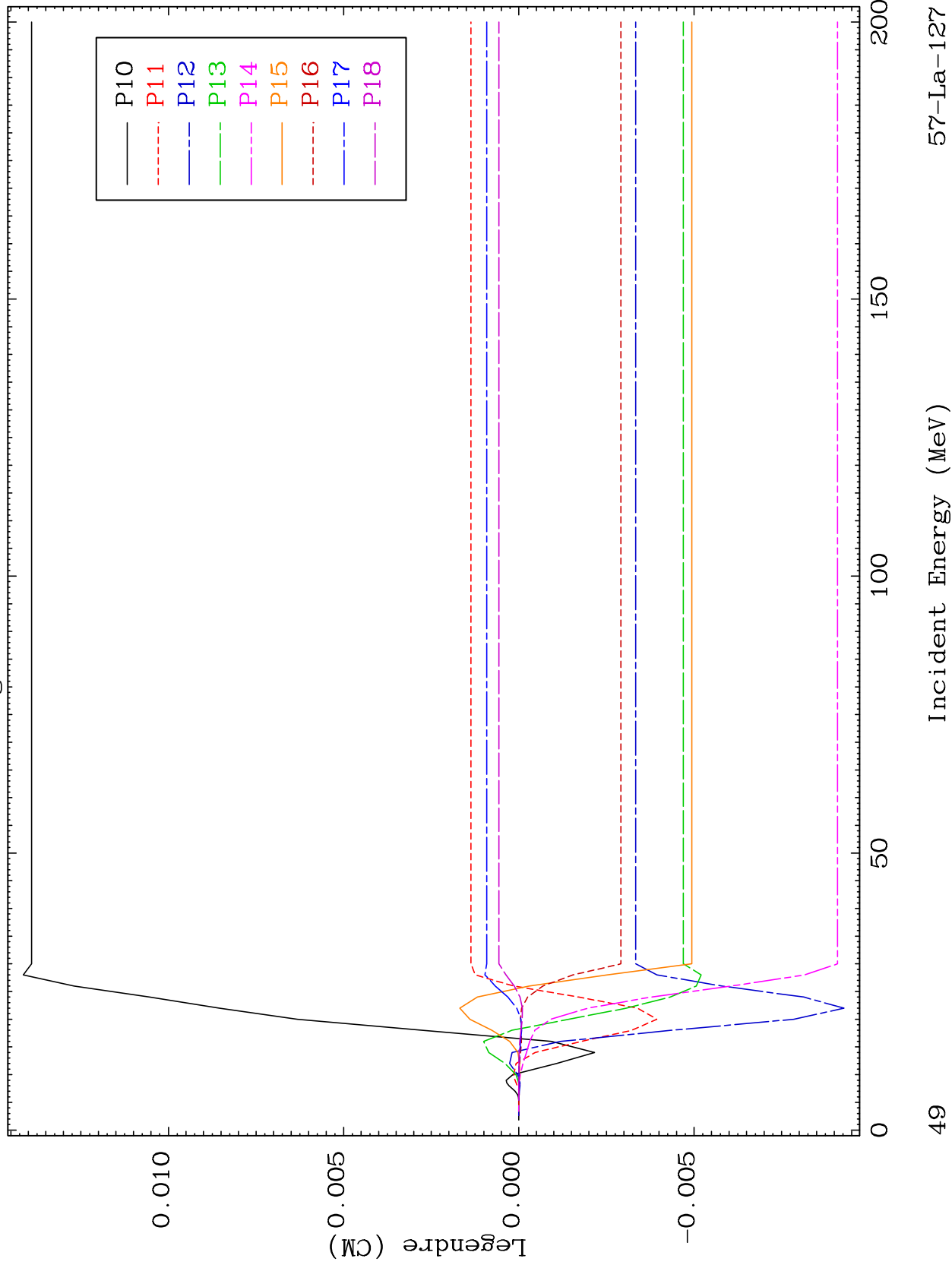
Incident Energy (MeV)

48

MAT 5692

325.8 keV (n,n') Level
Legendre Coefficients

57-La-127



49

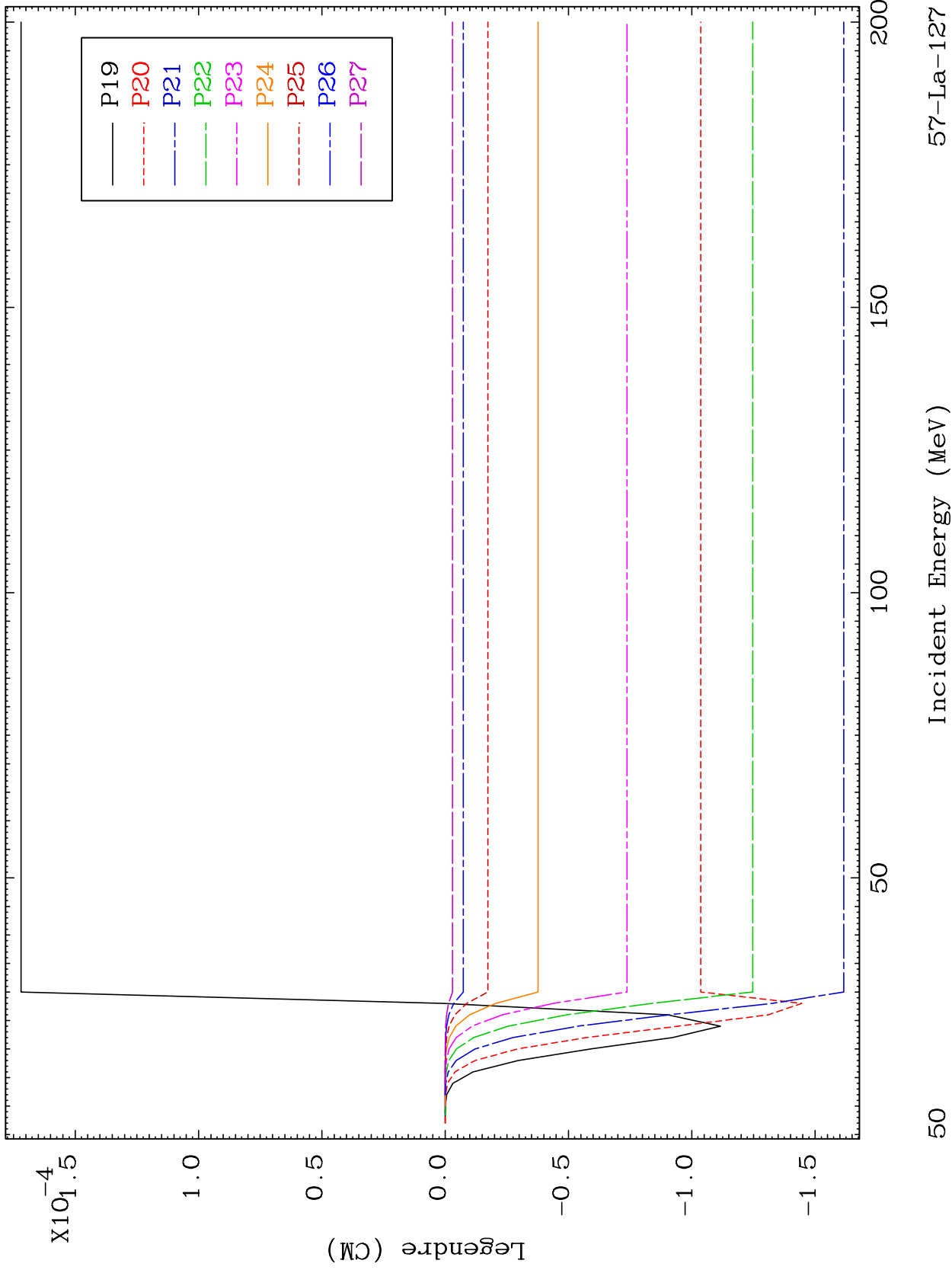
Incident Energy (MeV)

57-La-127

MAT 5692

325.8 keV (n, n') Level
Legendre Coefficients

57-La-127



50

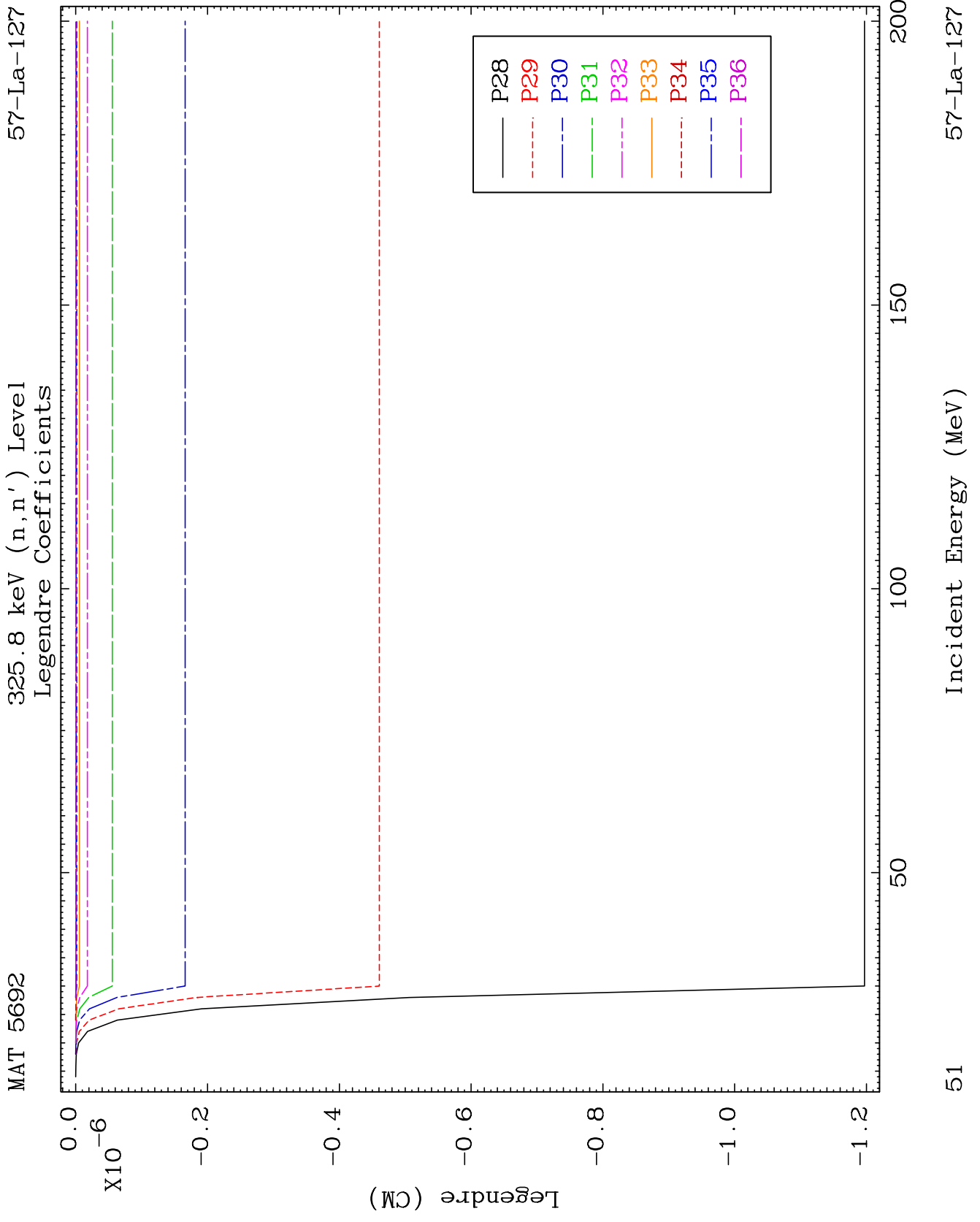
50

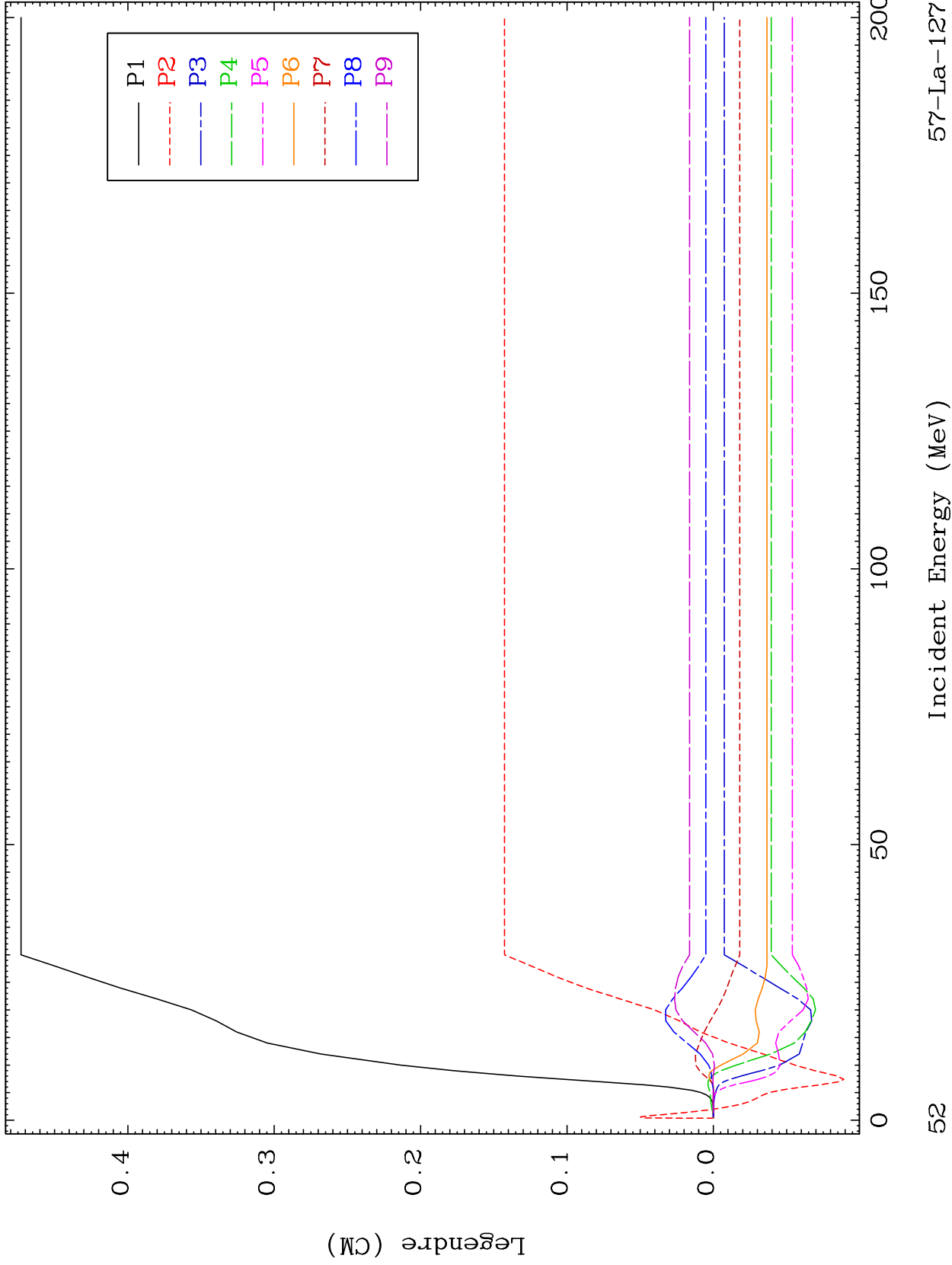
100

150

200

57-La-127

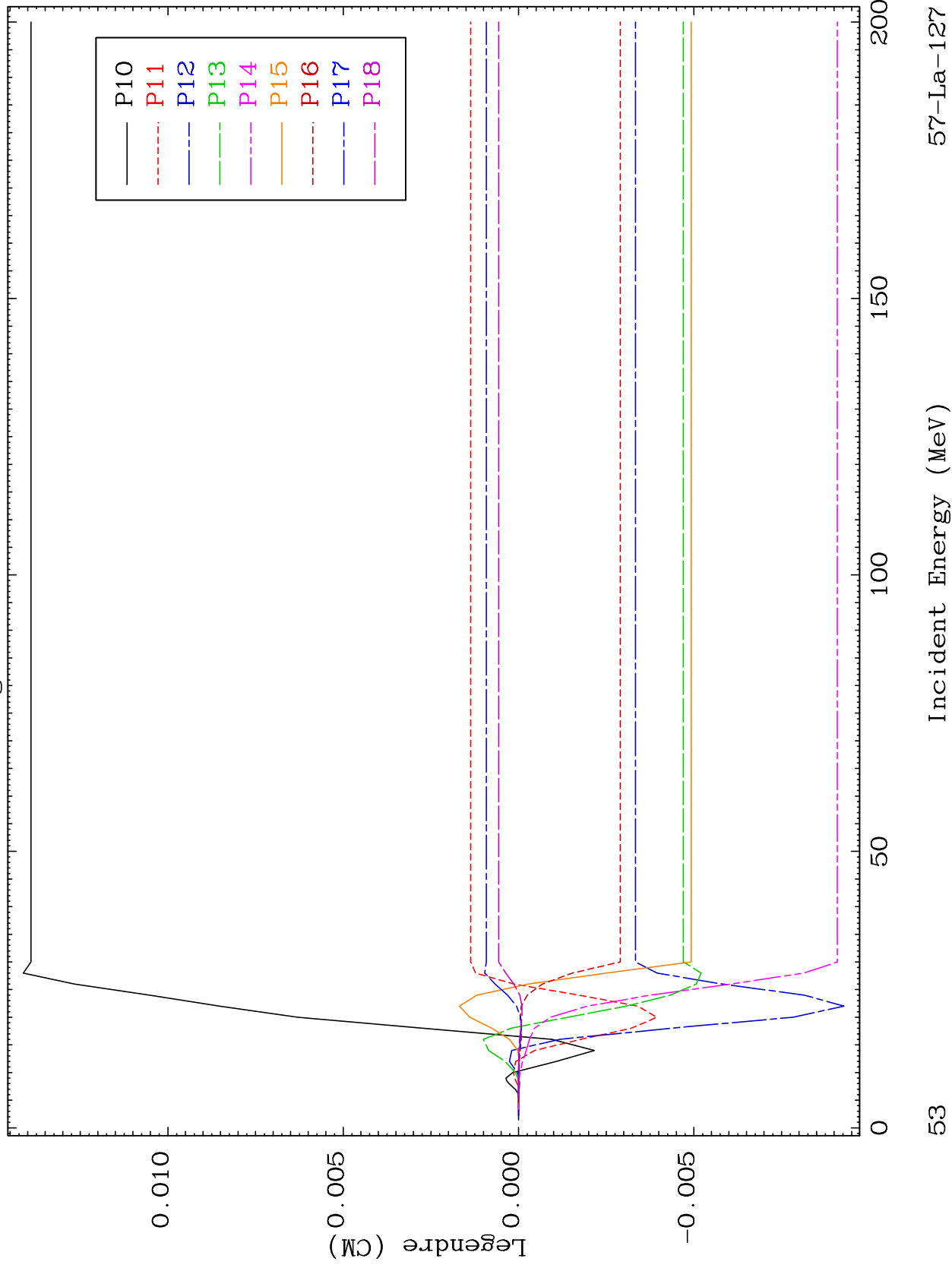




MAT 5692

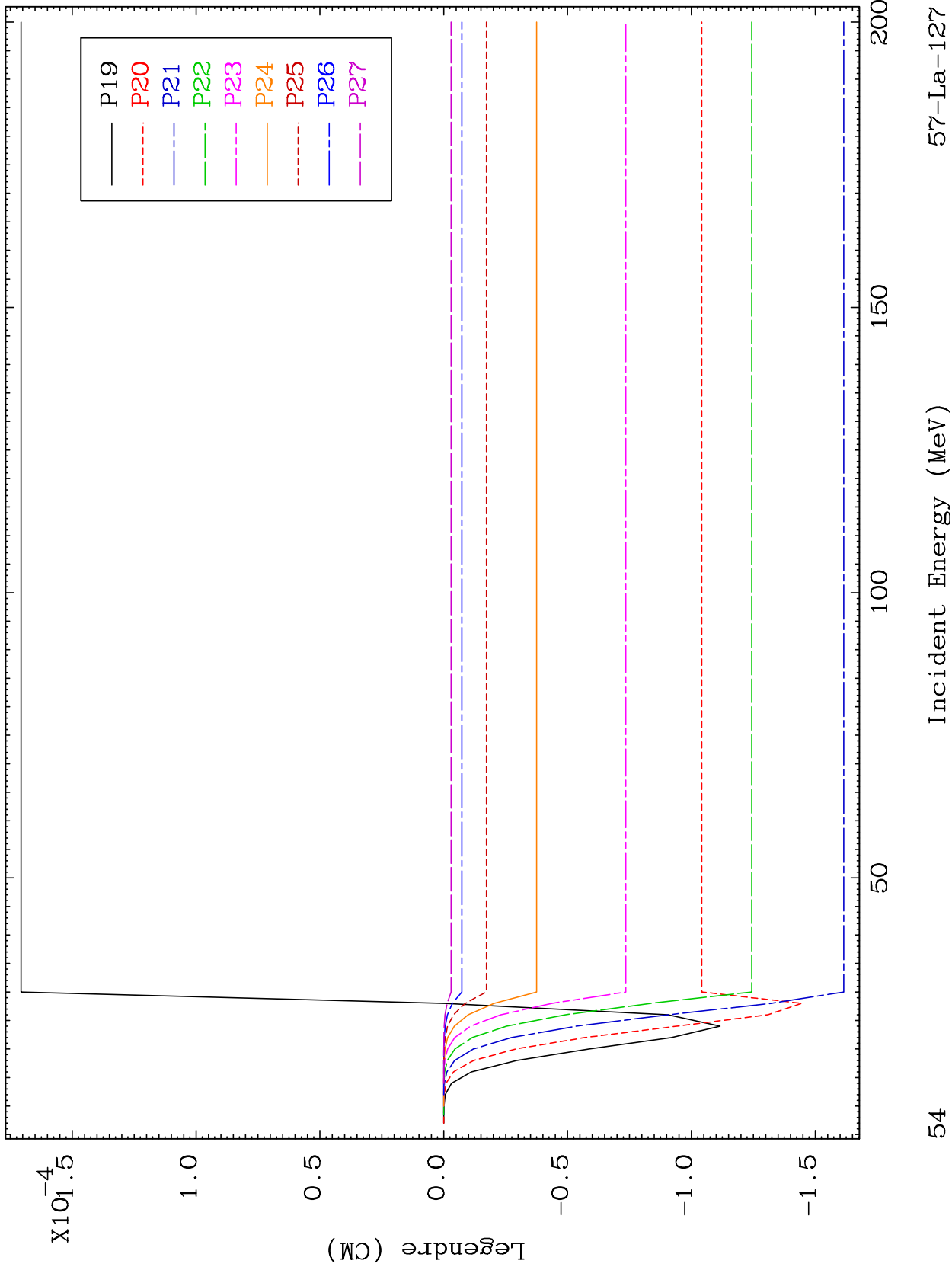
352.4 keV (n,n') Level
Legendre Coefficients

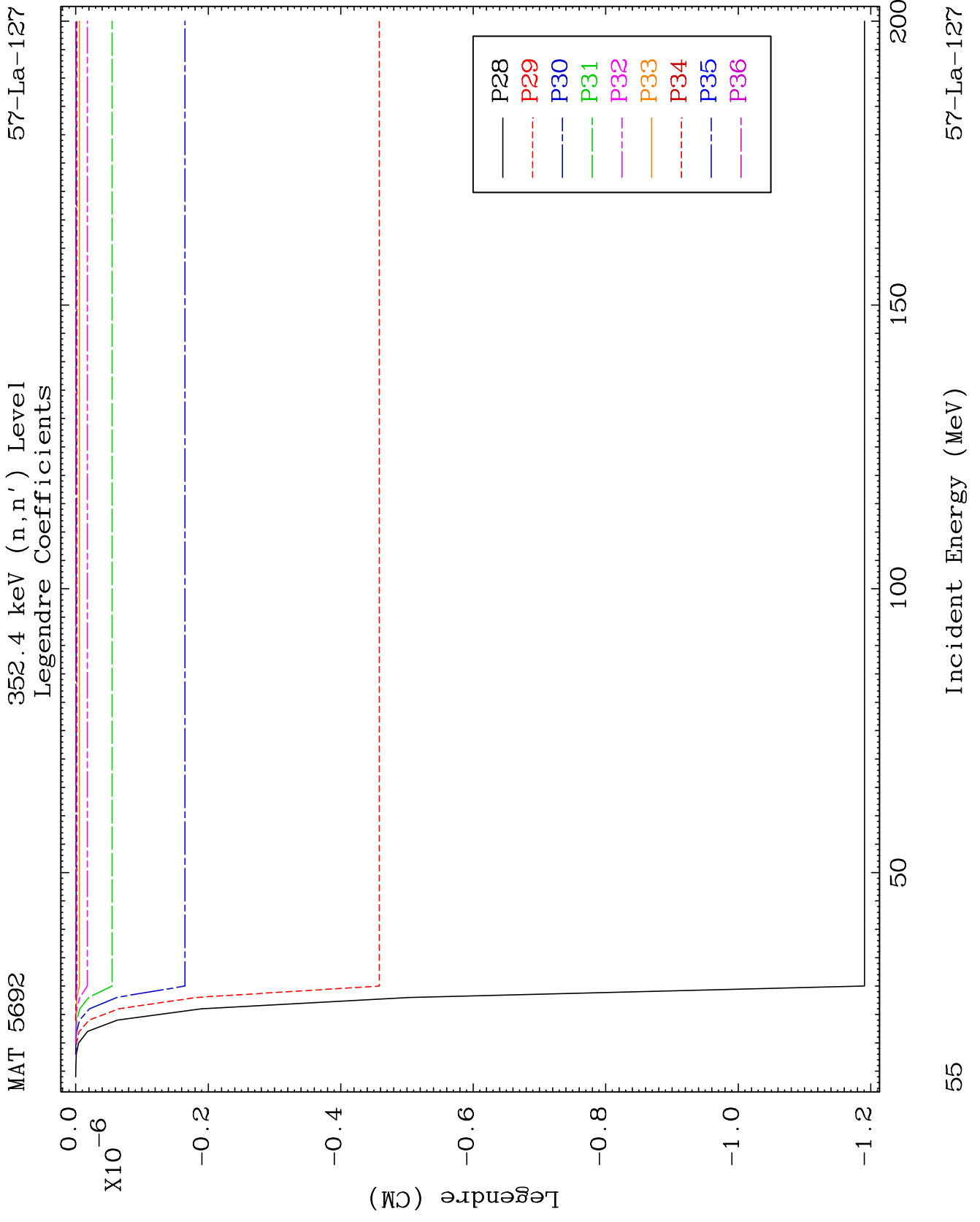
57-La-127



53

57-La-127

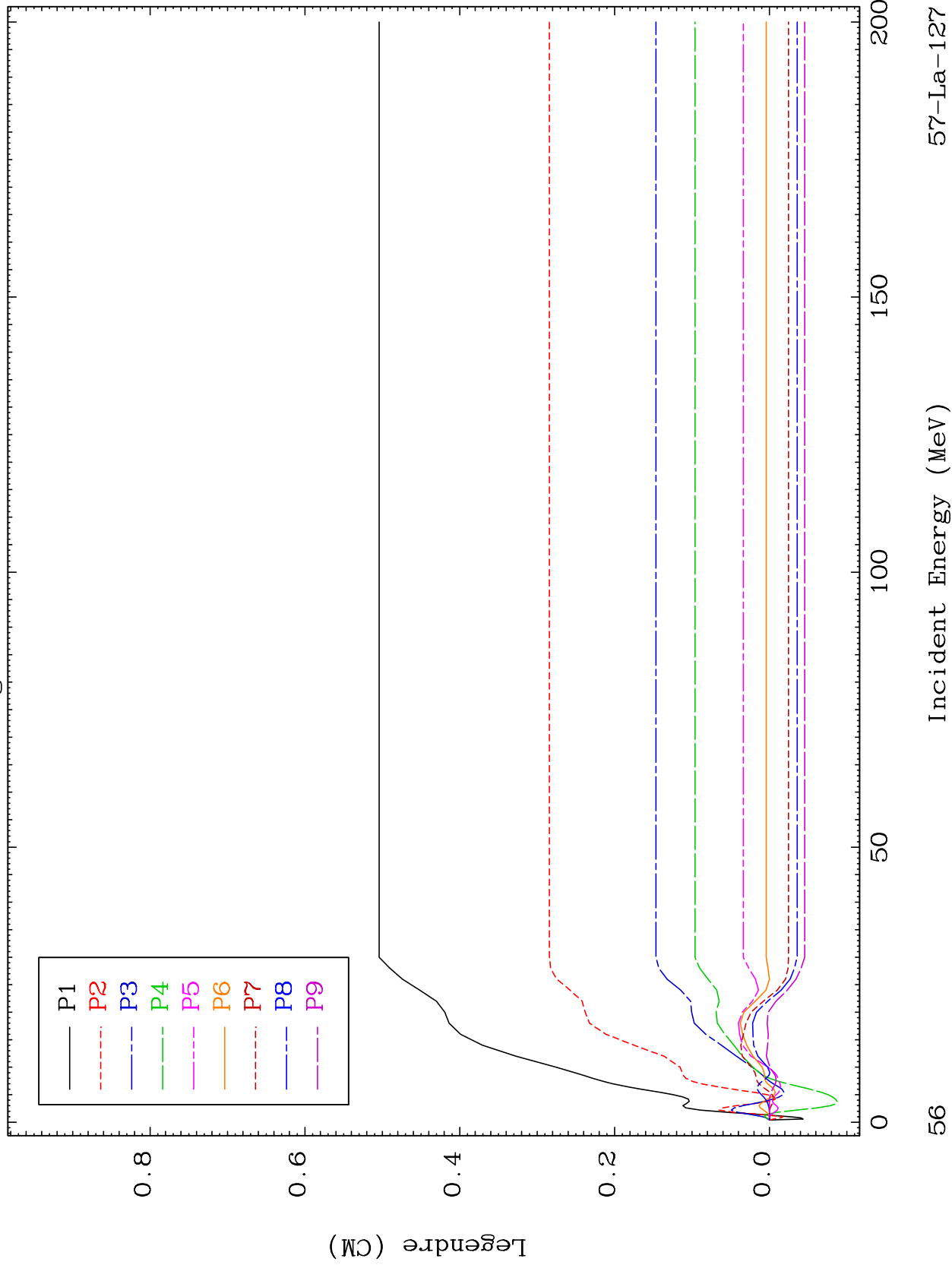




MAT 5692

386.4 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

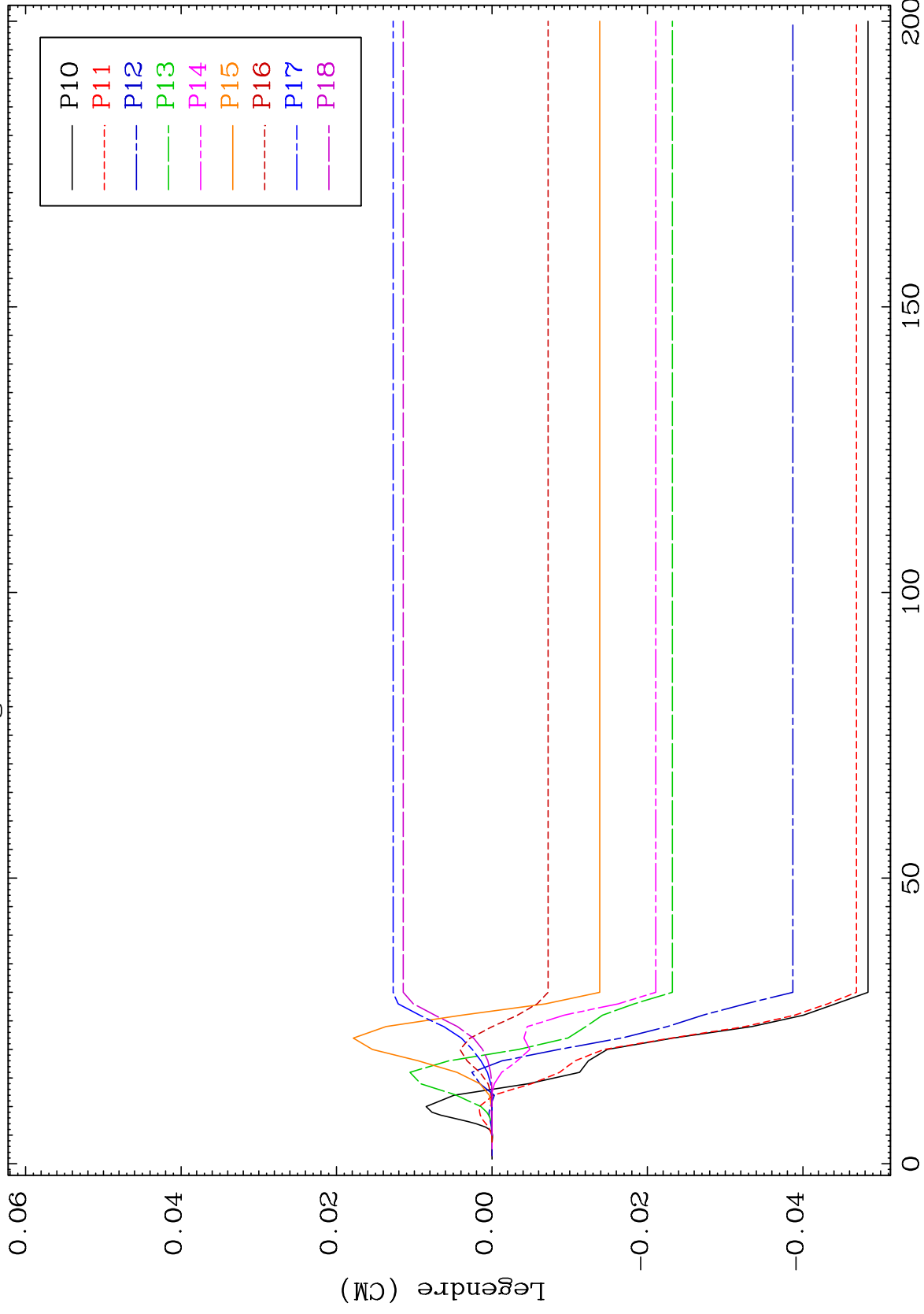
Incident Energy (MeV)

56

MAT 5692

386.4 keV (n,n') Level
Legendre Coefficients

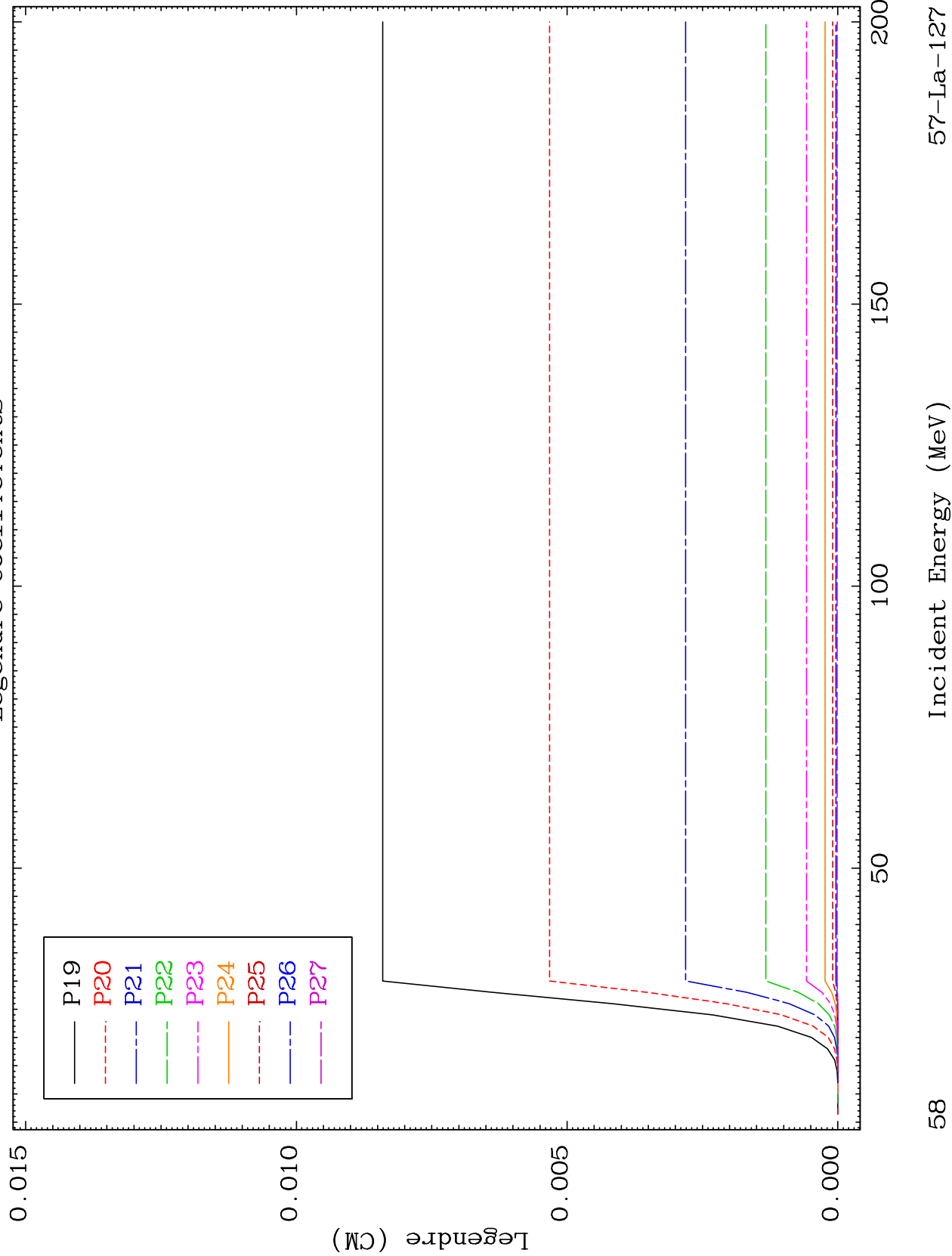
57-La-127



57

Incident Energy (MeV)

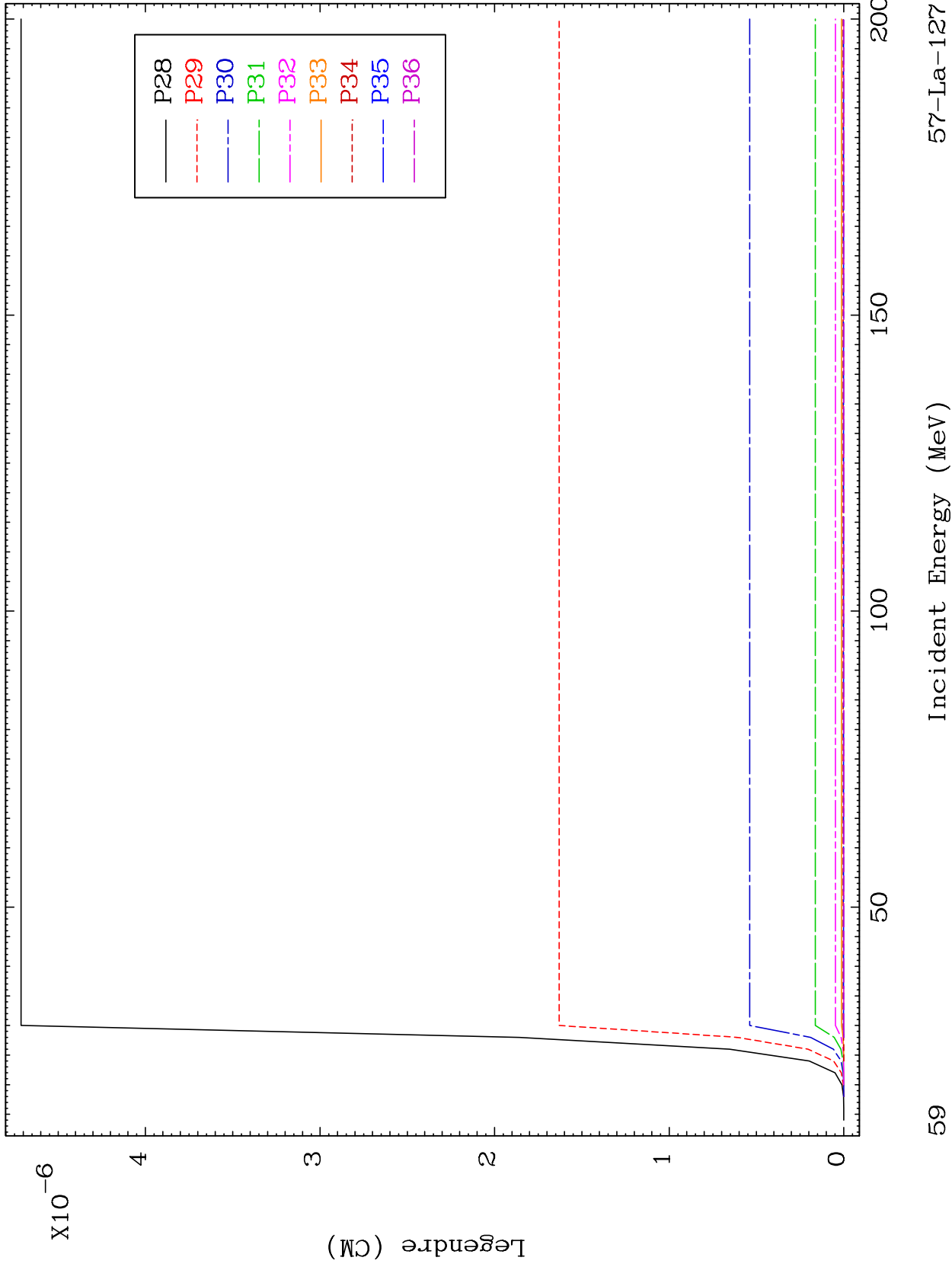
57-La-127



MAT 5692

386.4 keV (n,n') Level
Legendre Coefficients

57-La-127



59

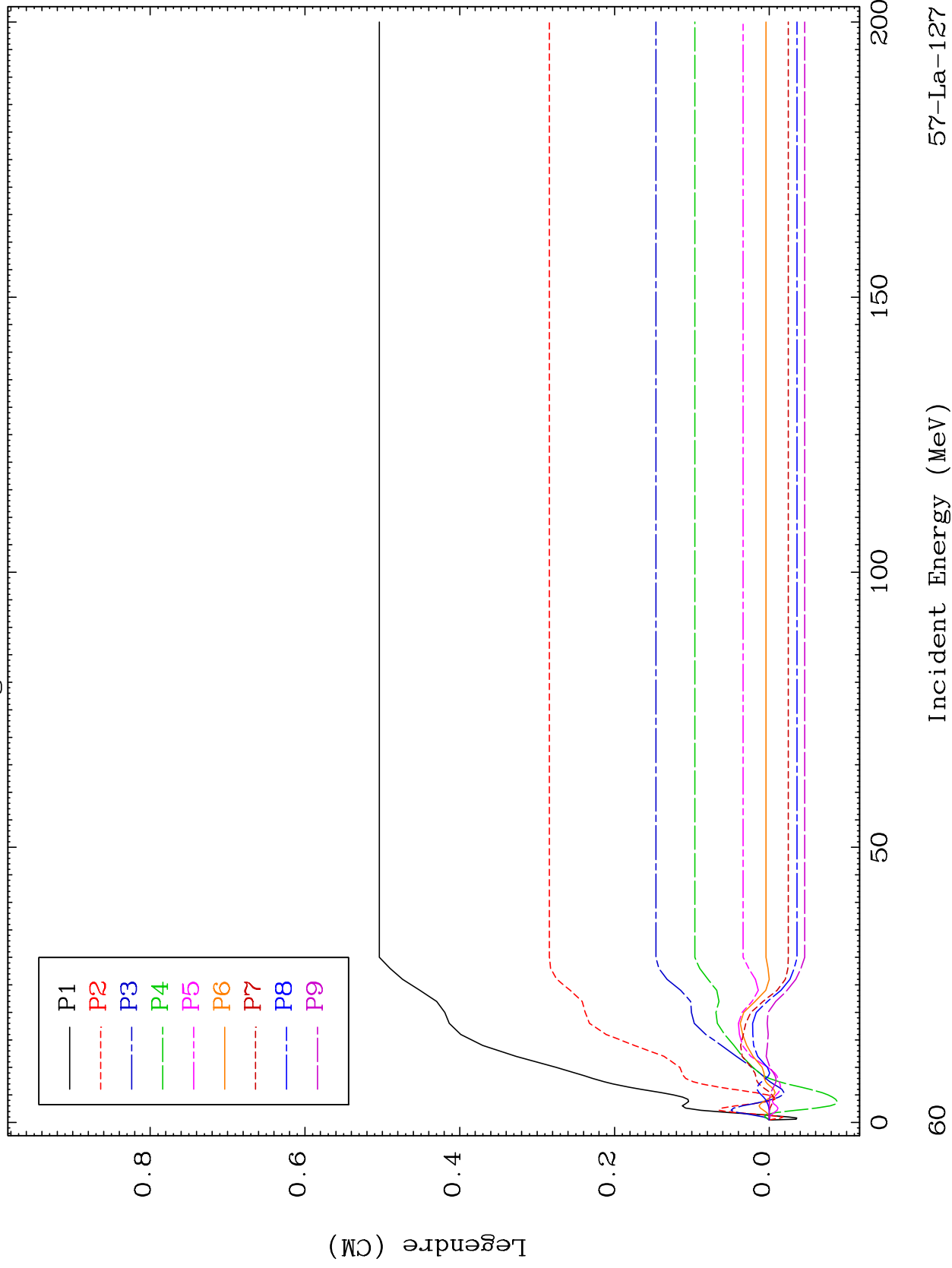
Incident Energy (MeV)

57-La-127

MAT 5692

423.1 keV (n,n') Level
Legendre Coefficients

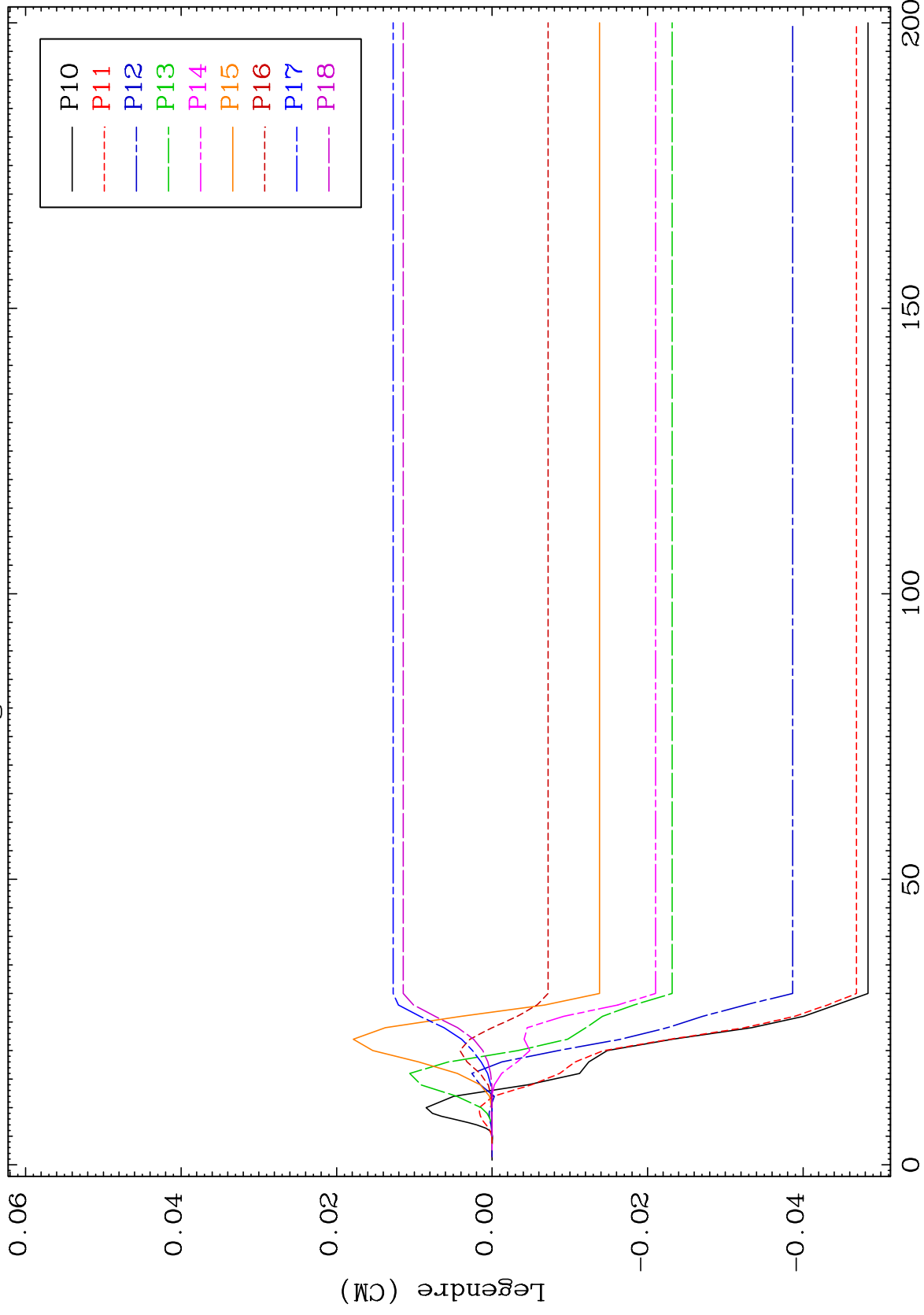
57-La-127



57-La-127

Incident Energy (MeV)

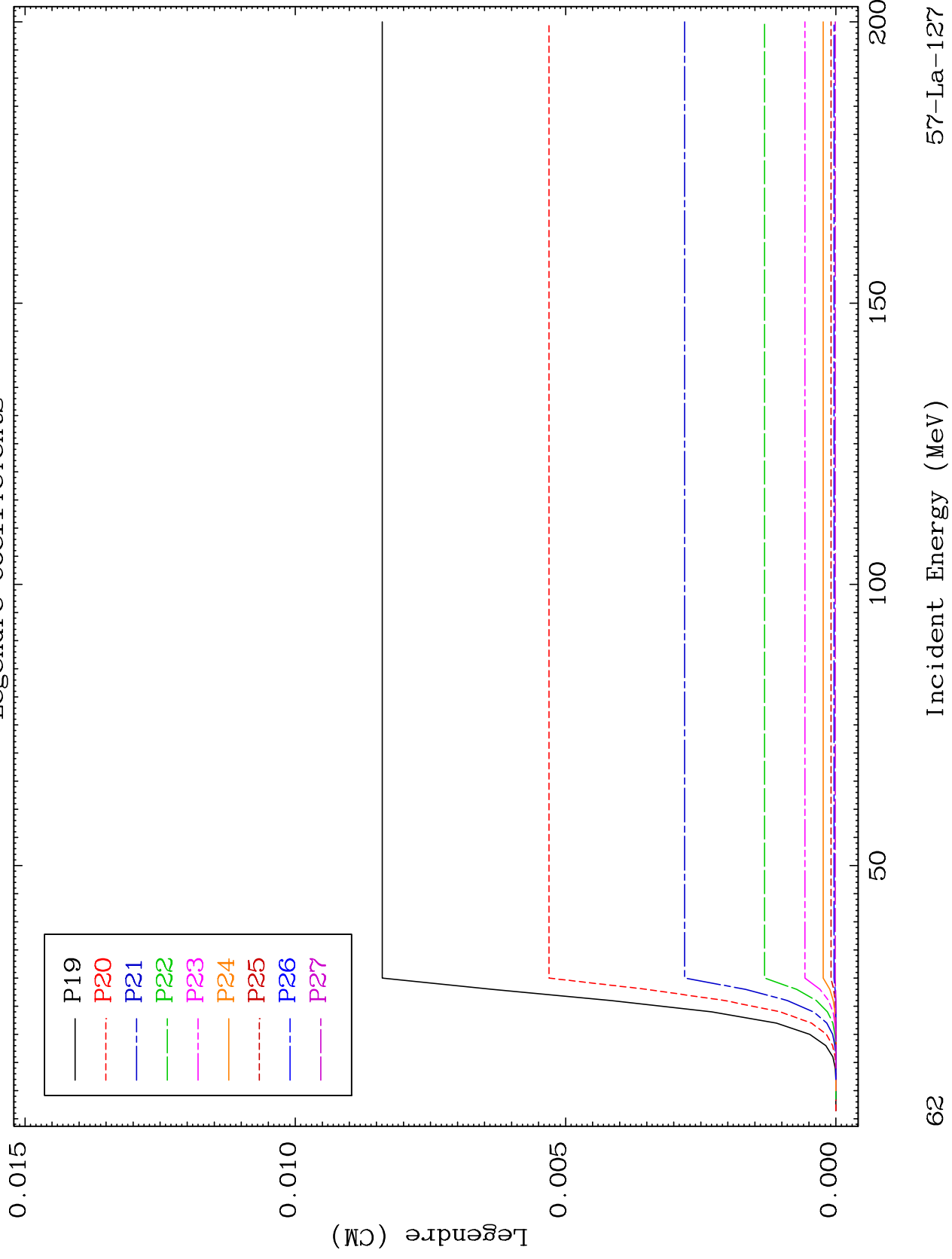
60



MAT 5692

423.1 keV (n,n') Level
Legendre Coefficients

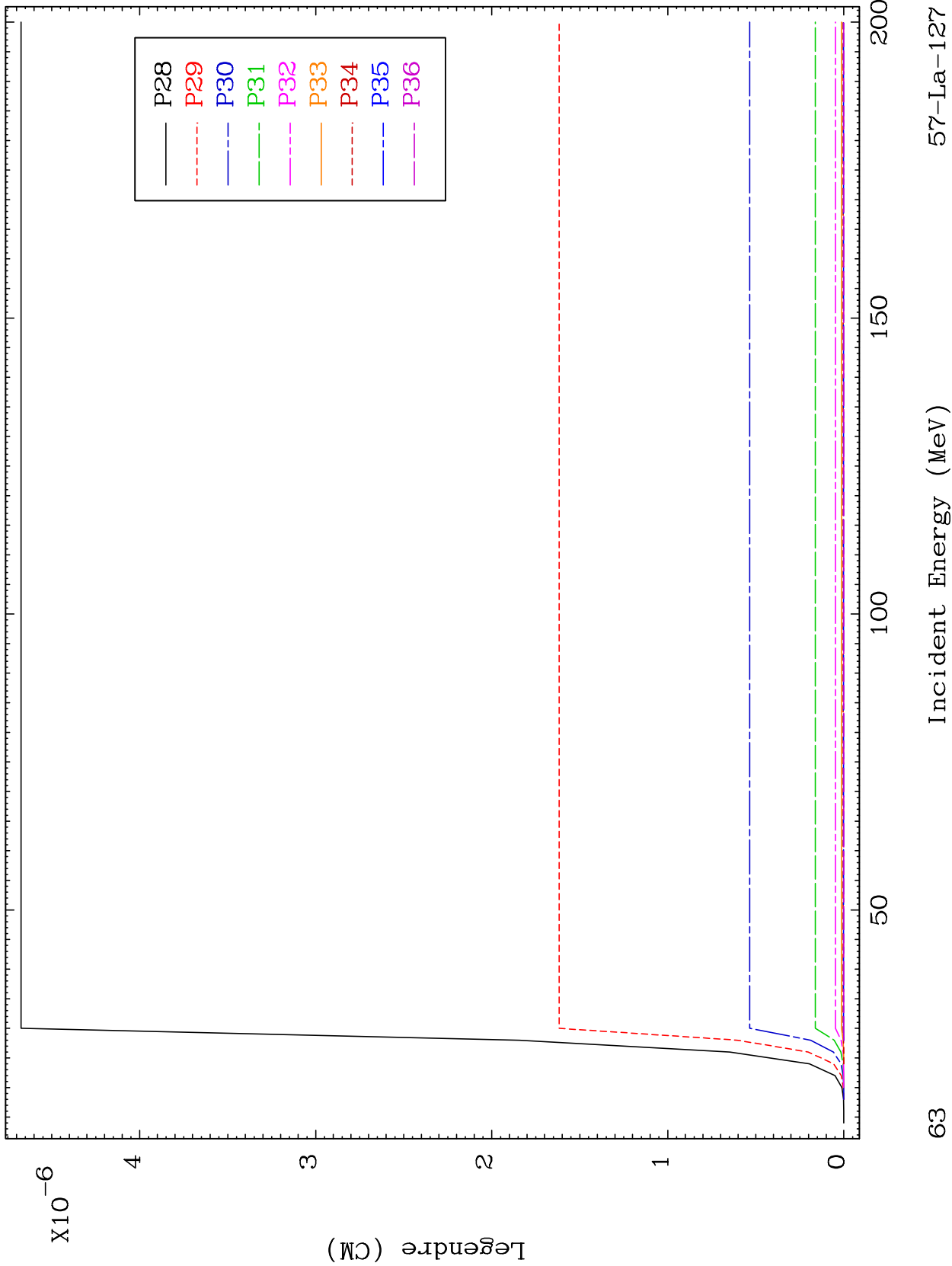
57-La-127



62

Incident Energy (MeV)

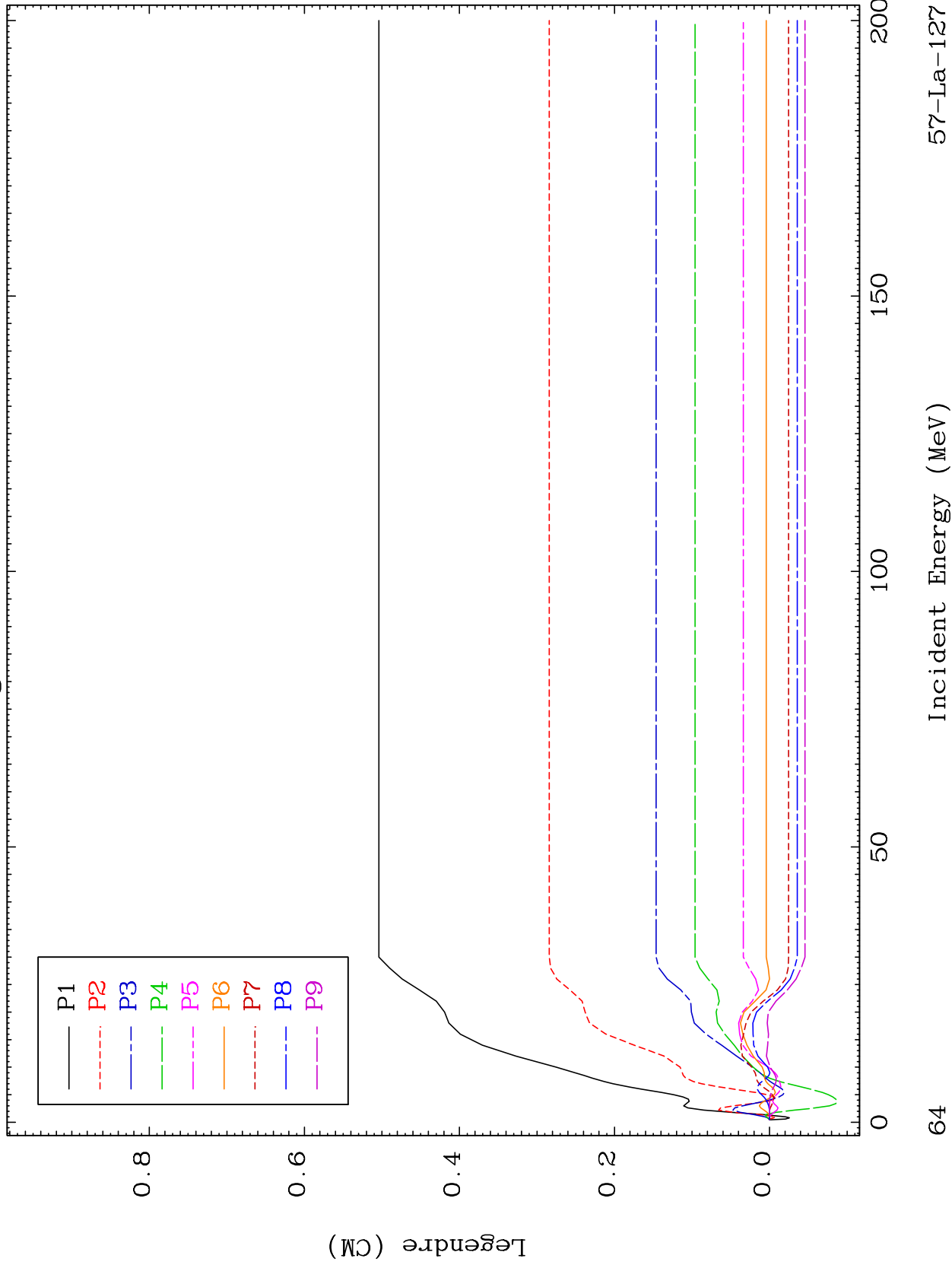
57-La-127



MAT 5692

425.6 keV (n,n') Level
Legendre Coefficients

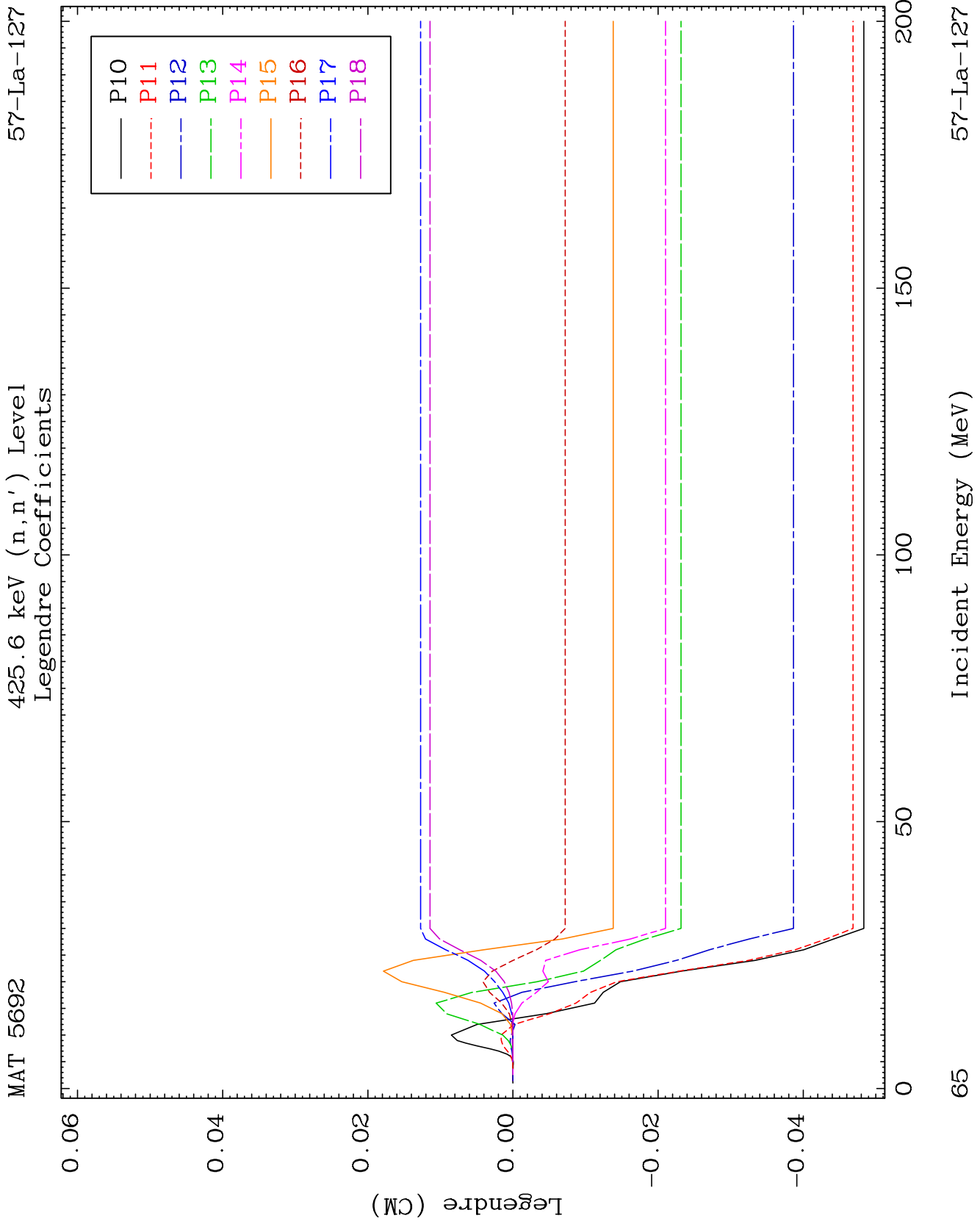
57-La-127

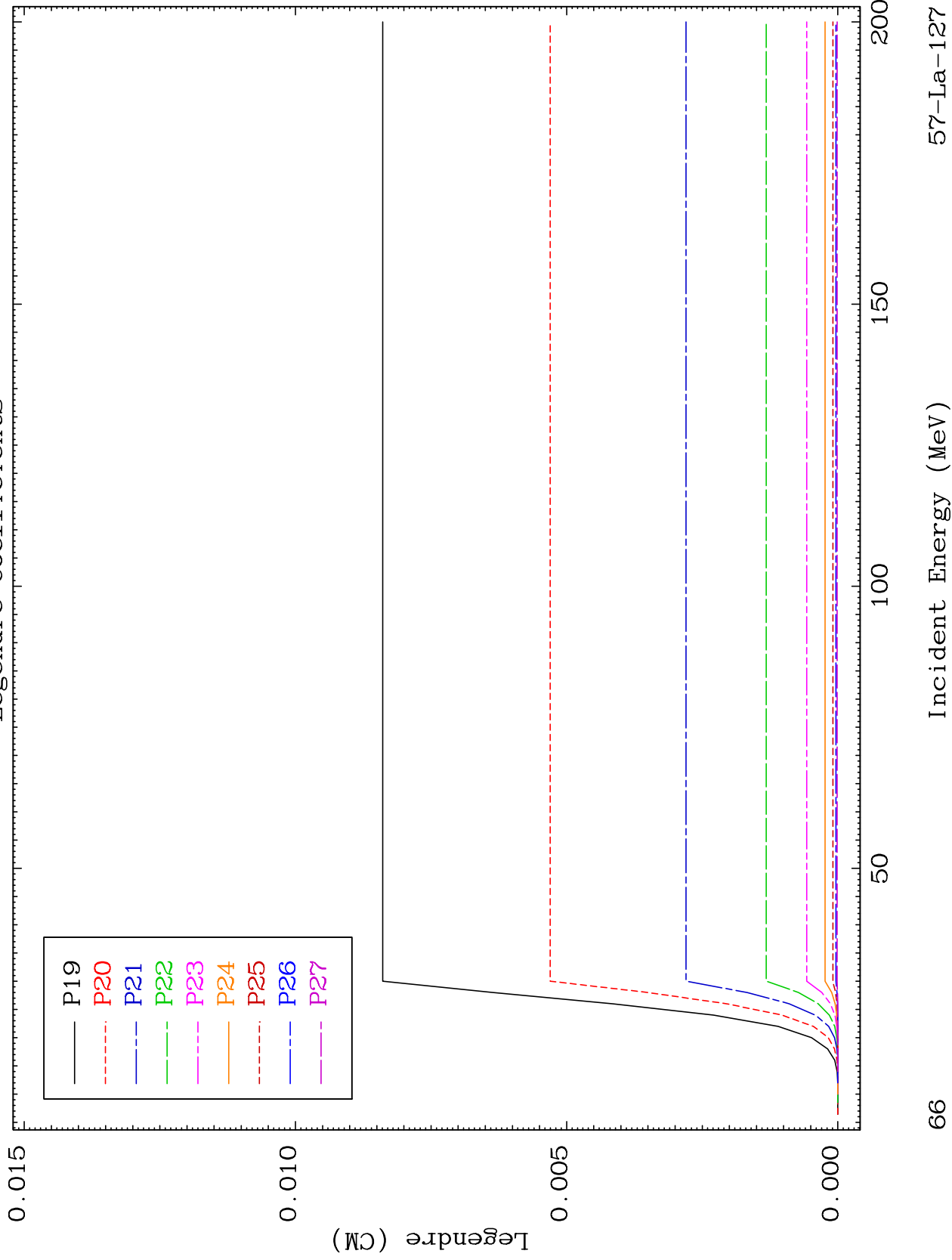


57-La-127

Incident Energy (MeV)

64

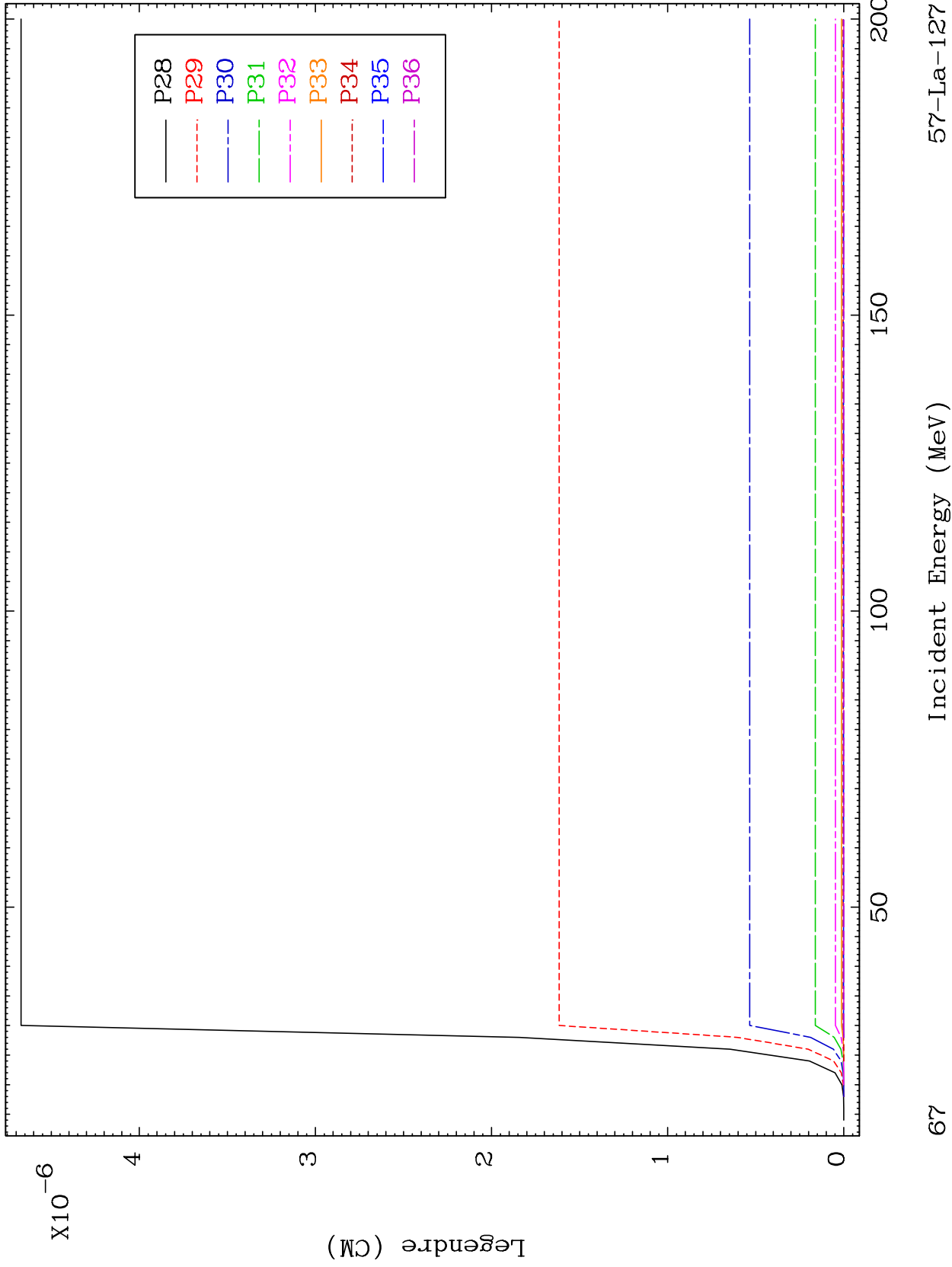




MAT 5692

425.6 keV (n,n') Level
Legendre Coefficients

57-La-127



67

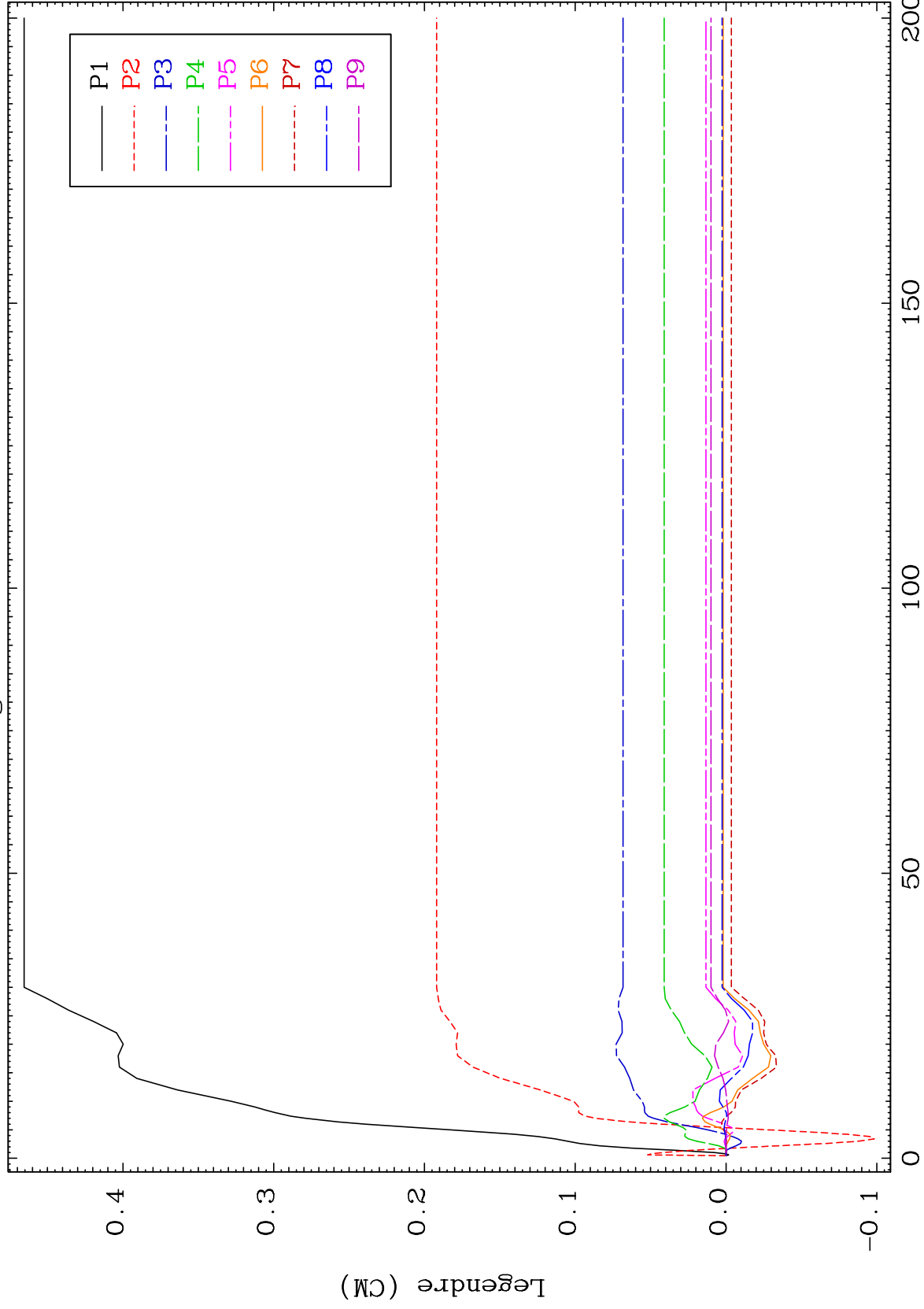
Incident Energy (MeV)

57-La-127

MAT 5692

442.9 keV (n,n') Level
Legendre Coefficients

57-La-127



68

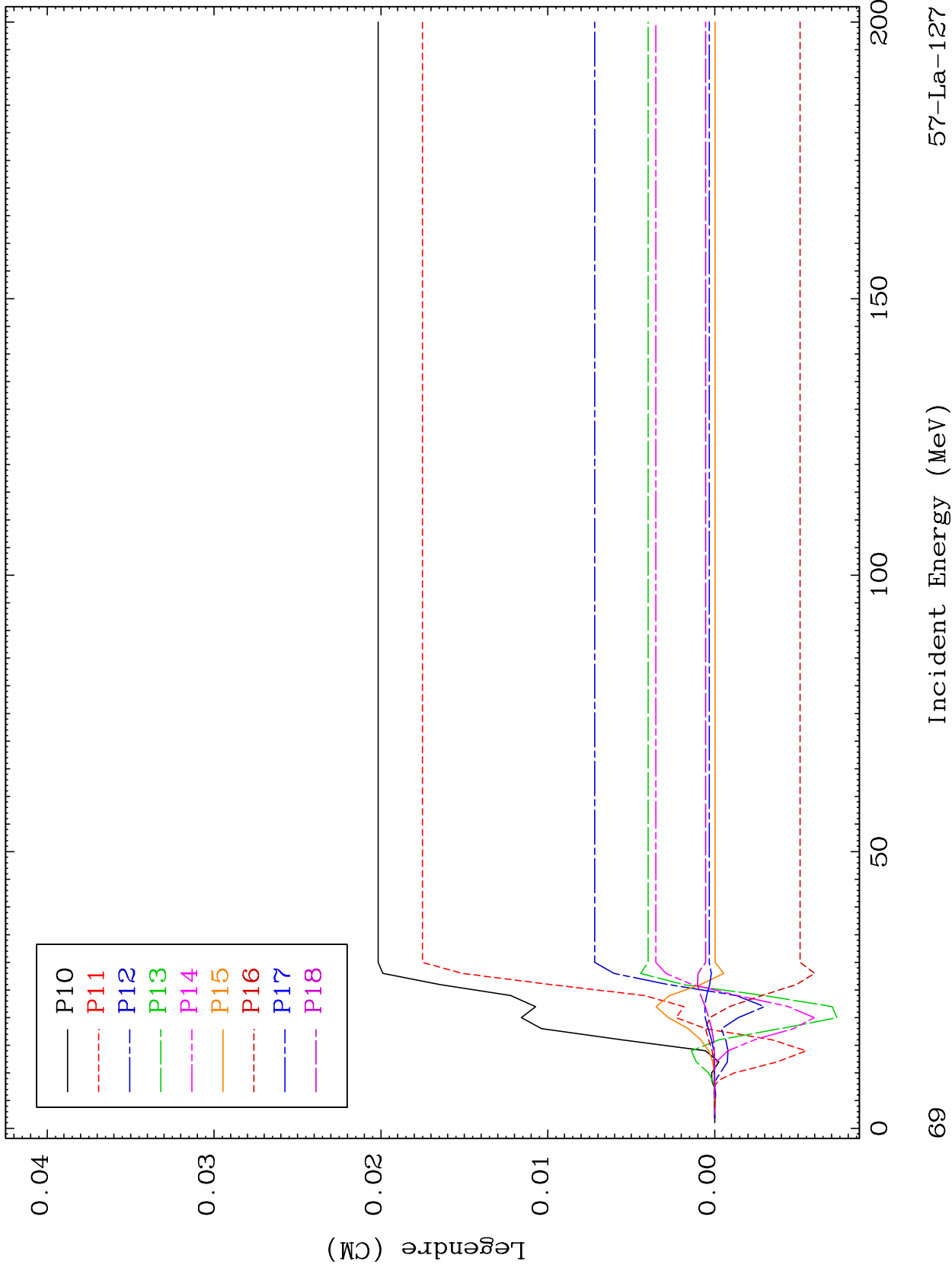
Incident Energy (MeV)

57-La-127

MAT 5692

442.9 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

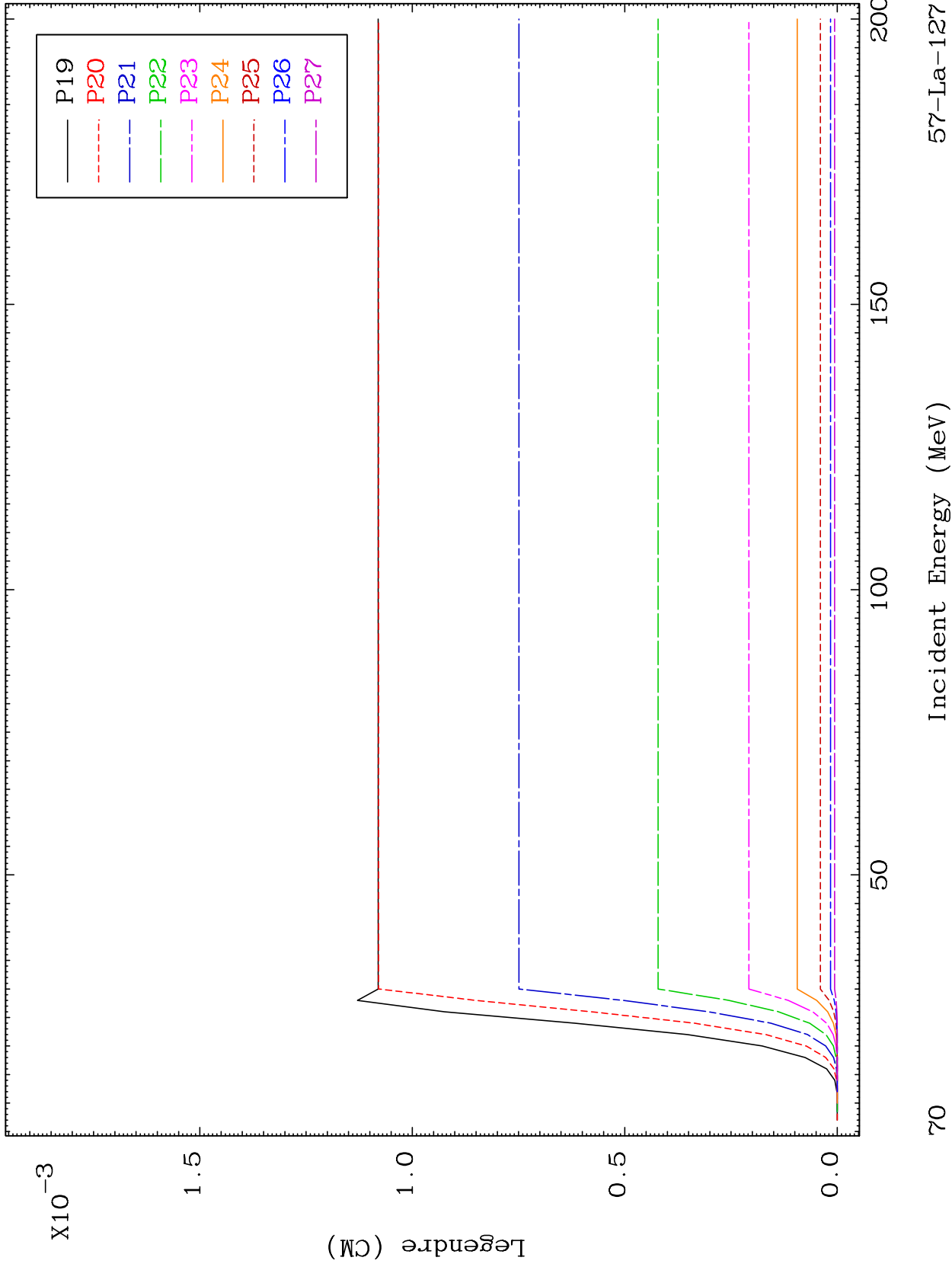
Incident Energy (MeV)

69

MAT 5692

442.9 keV (n,n') Level
Legendre Coefficients

57-La-127



70

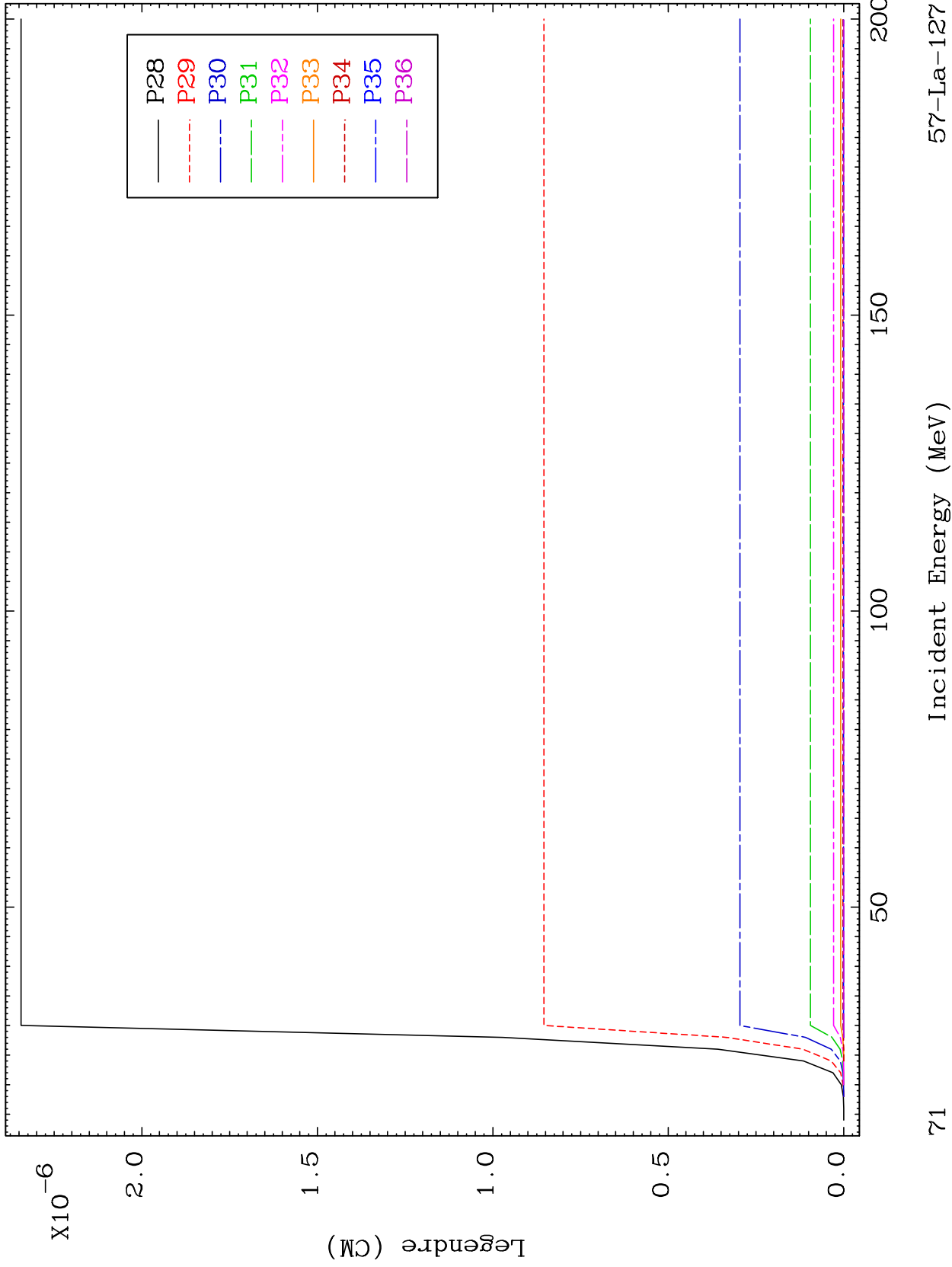
Incident Energy (MeV)

57-La-127

MAT 5692

442.9 keV (n,n') Level
Legendre Coefficients

57-La-127



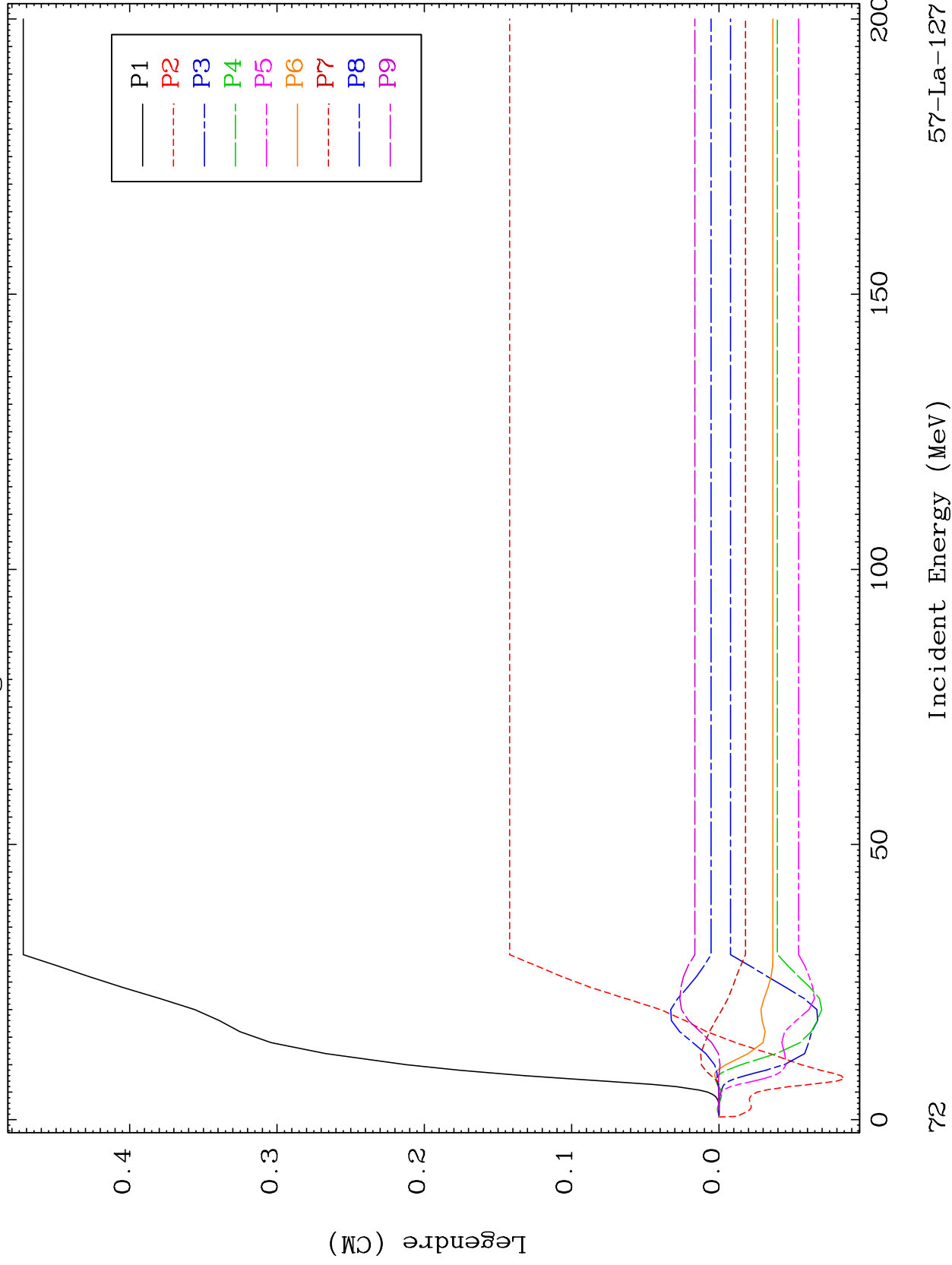
71

57-La-127

MAT 5692

470.5 keV (n,n') Level
Legendre Coefficients

57-La-127



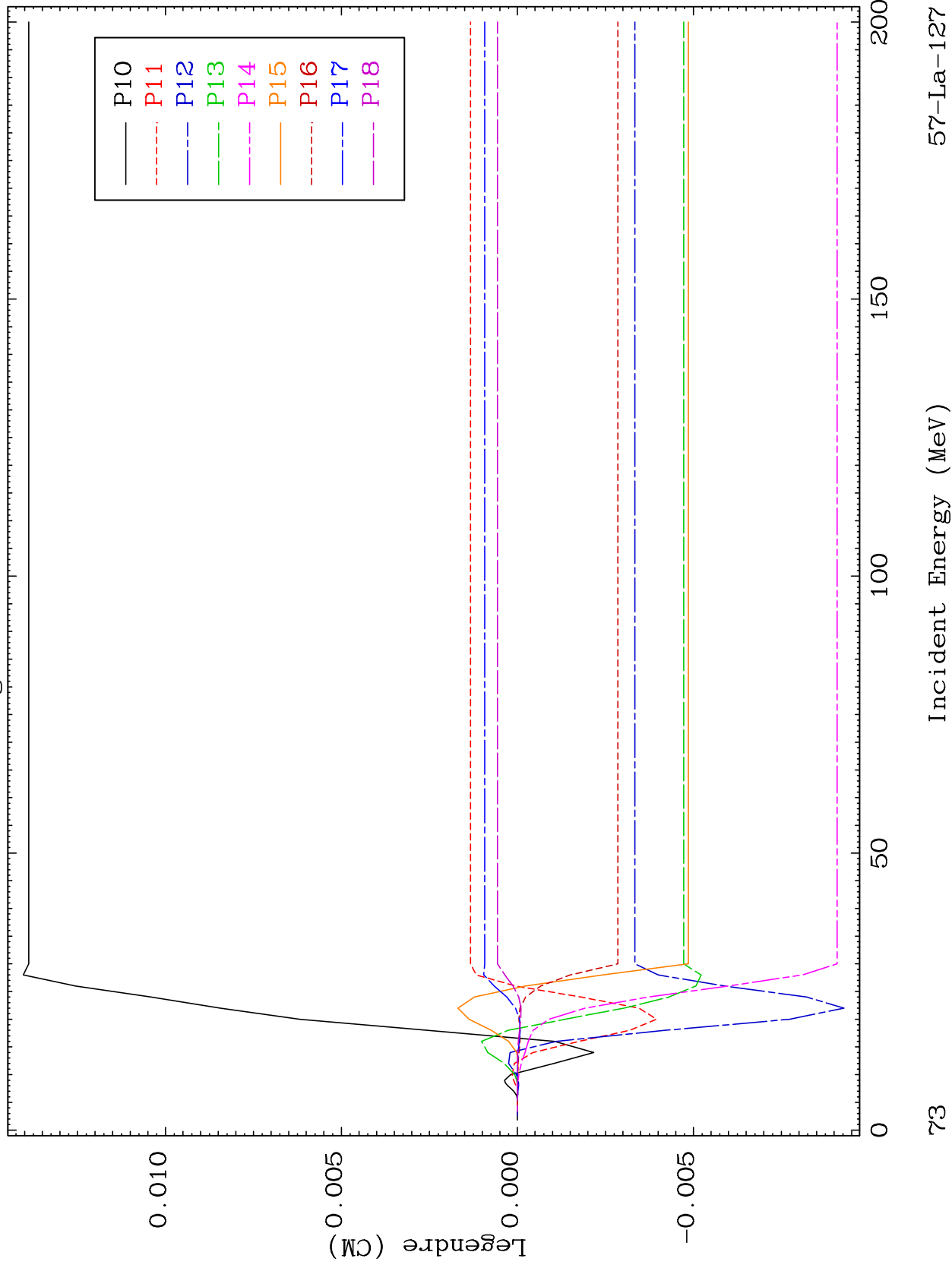
72

57-La-127

MAT 5692

470.5 keV (n,n') Level
Legendre Coefficients

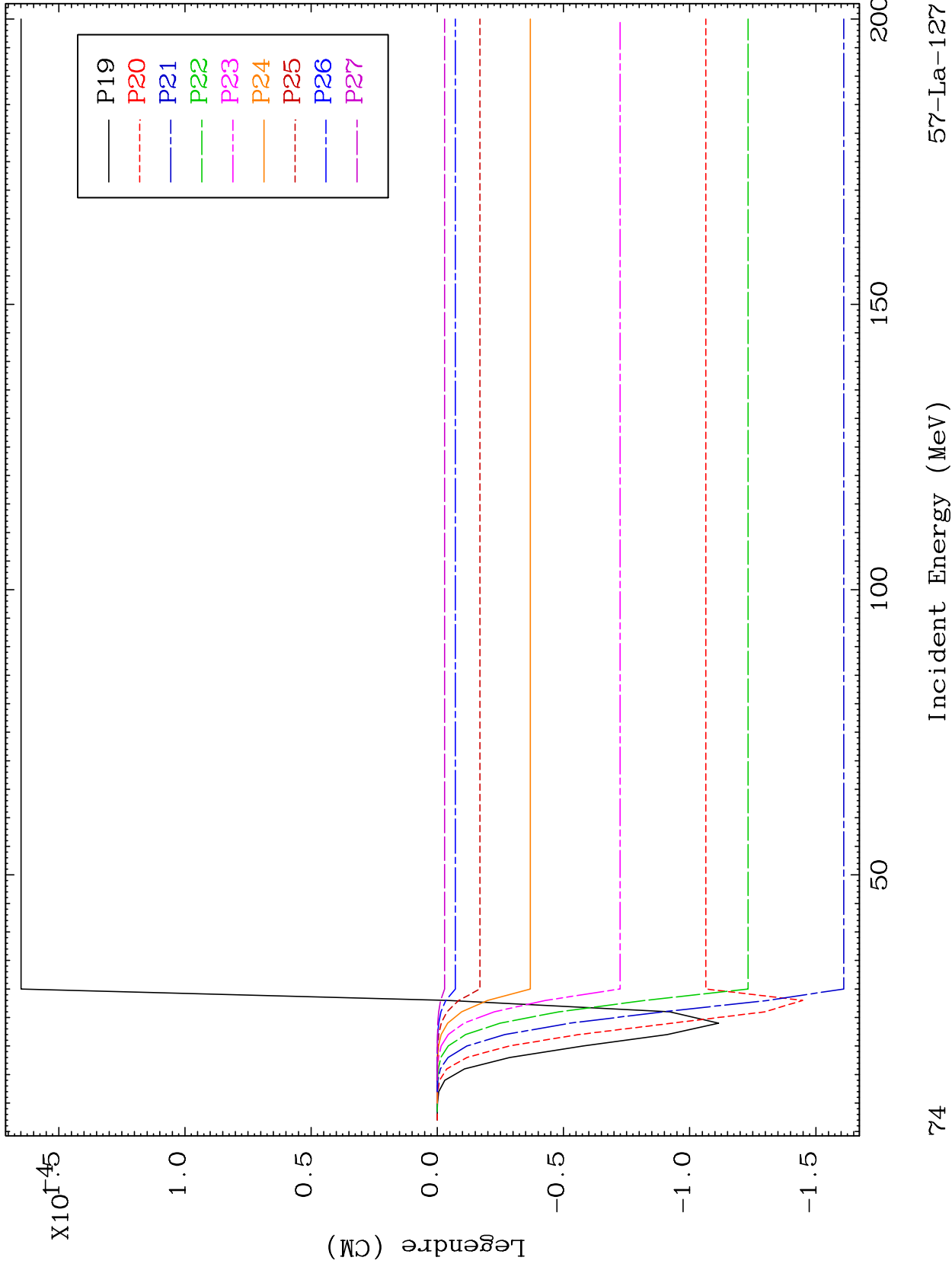
57-La-127

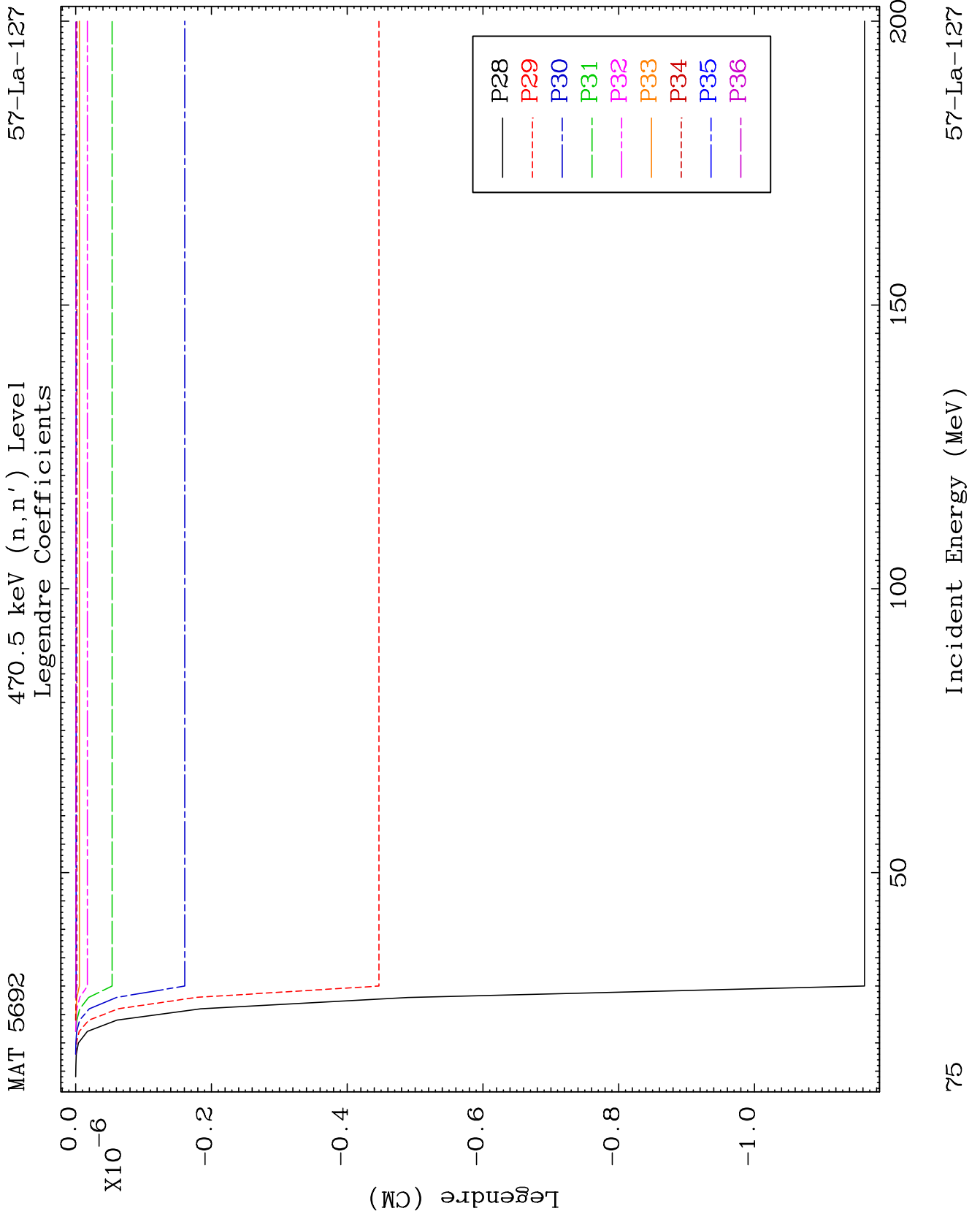


73

Incident Energy (MeV)

57-La-127

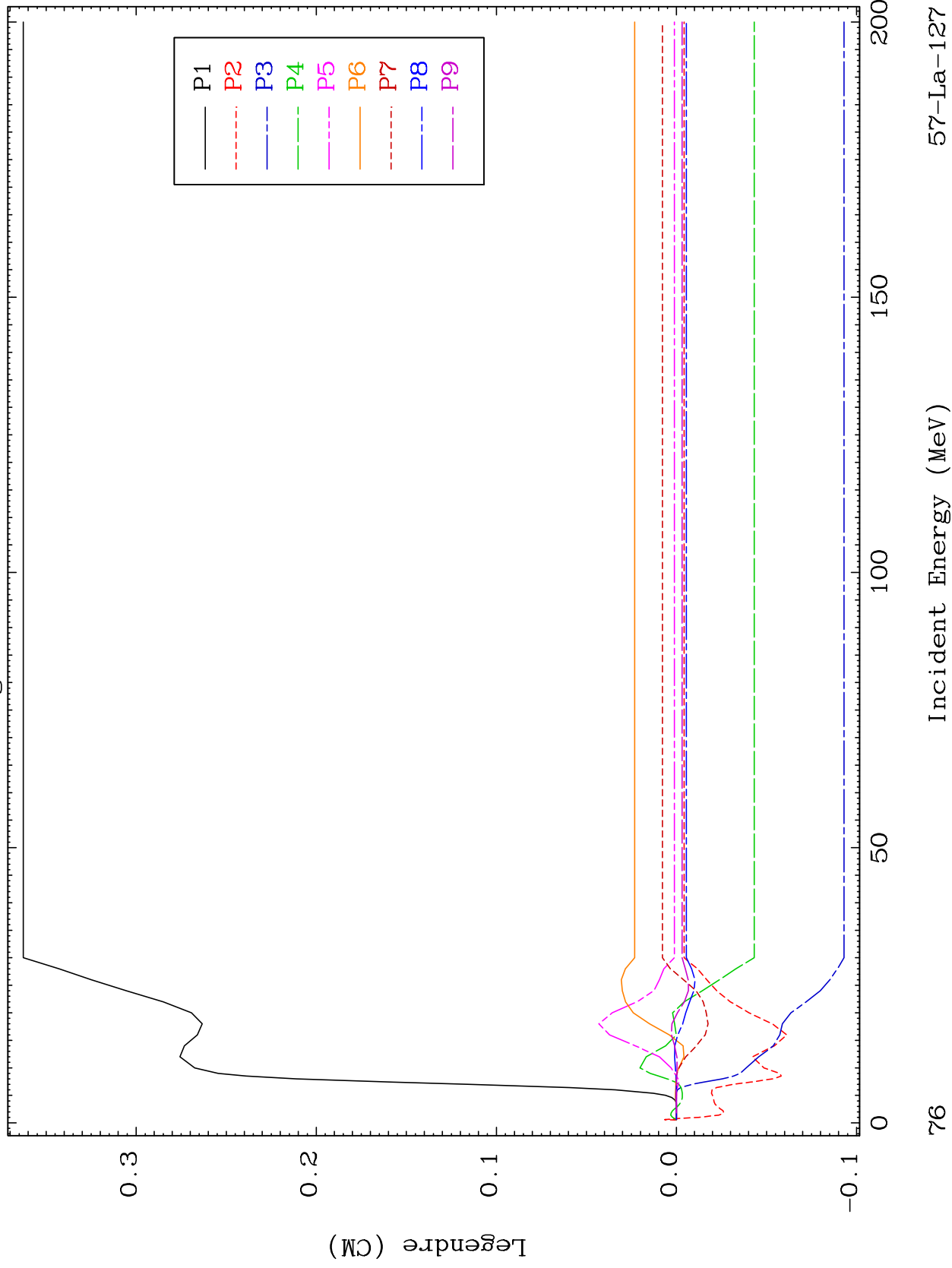




MAT 5692

505.7 keV (n,n') Level
Legendre Coefficients

57-La-127



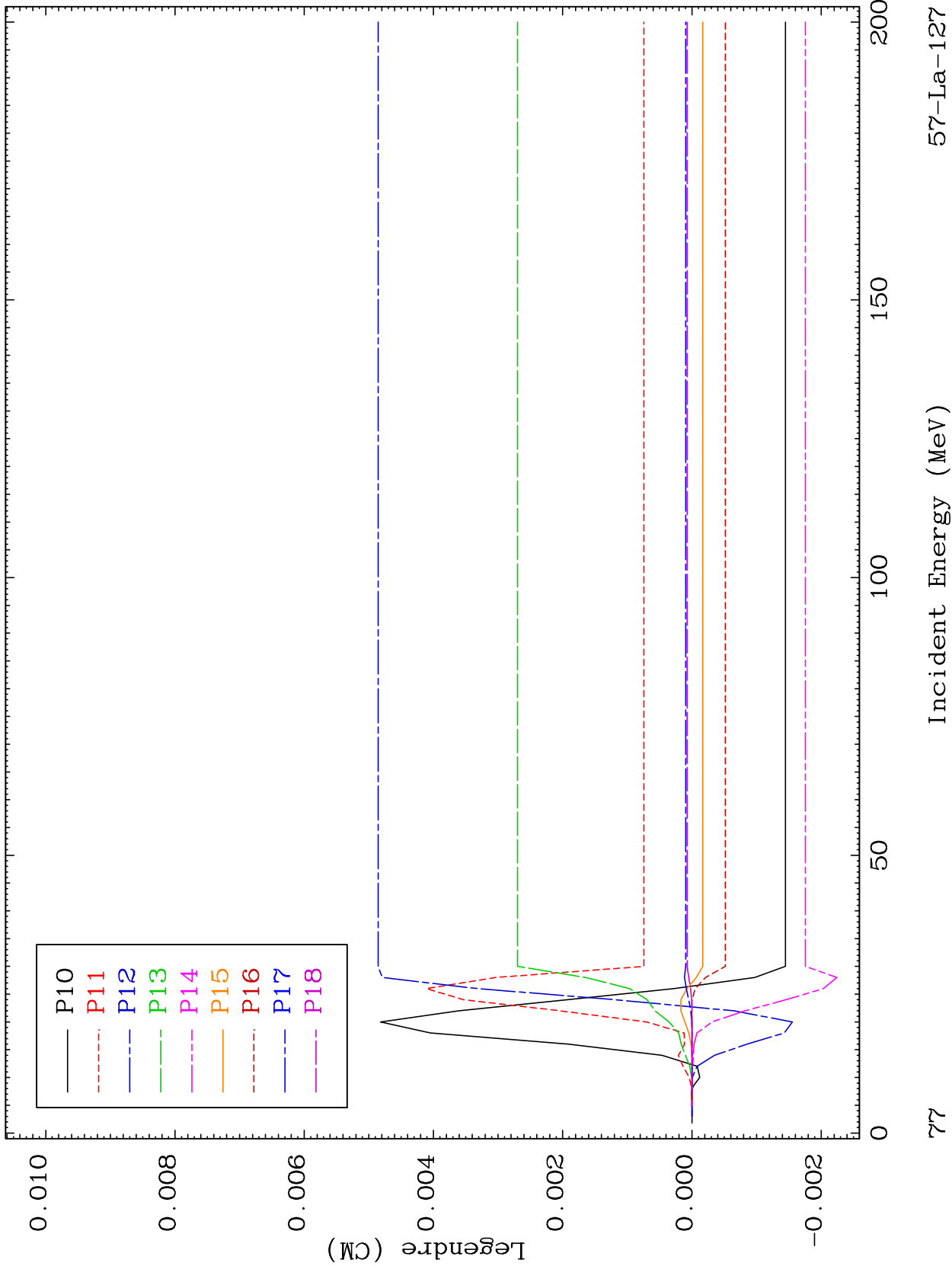
76

57-La-127

MAT 5692

505.7 keV (n,n') Level
Legendre Coefficients

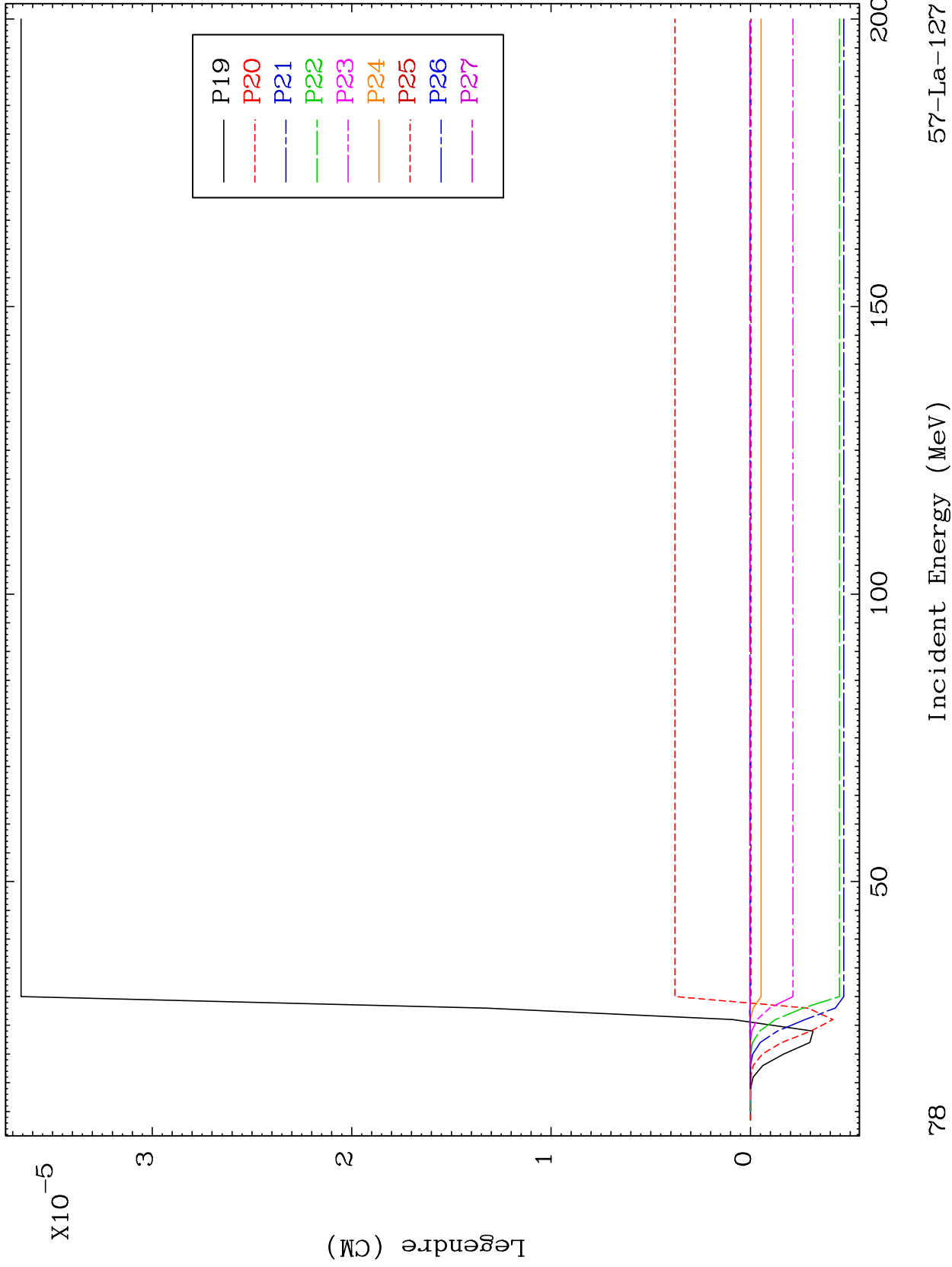
57-La-127



MAT 5692

505.7 keV (n,n') Level
Legendre Coefficients

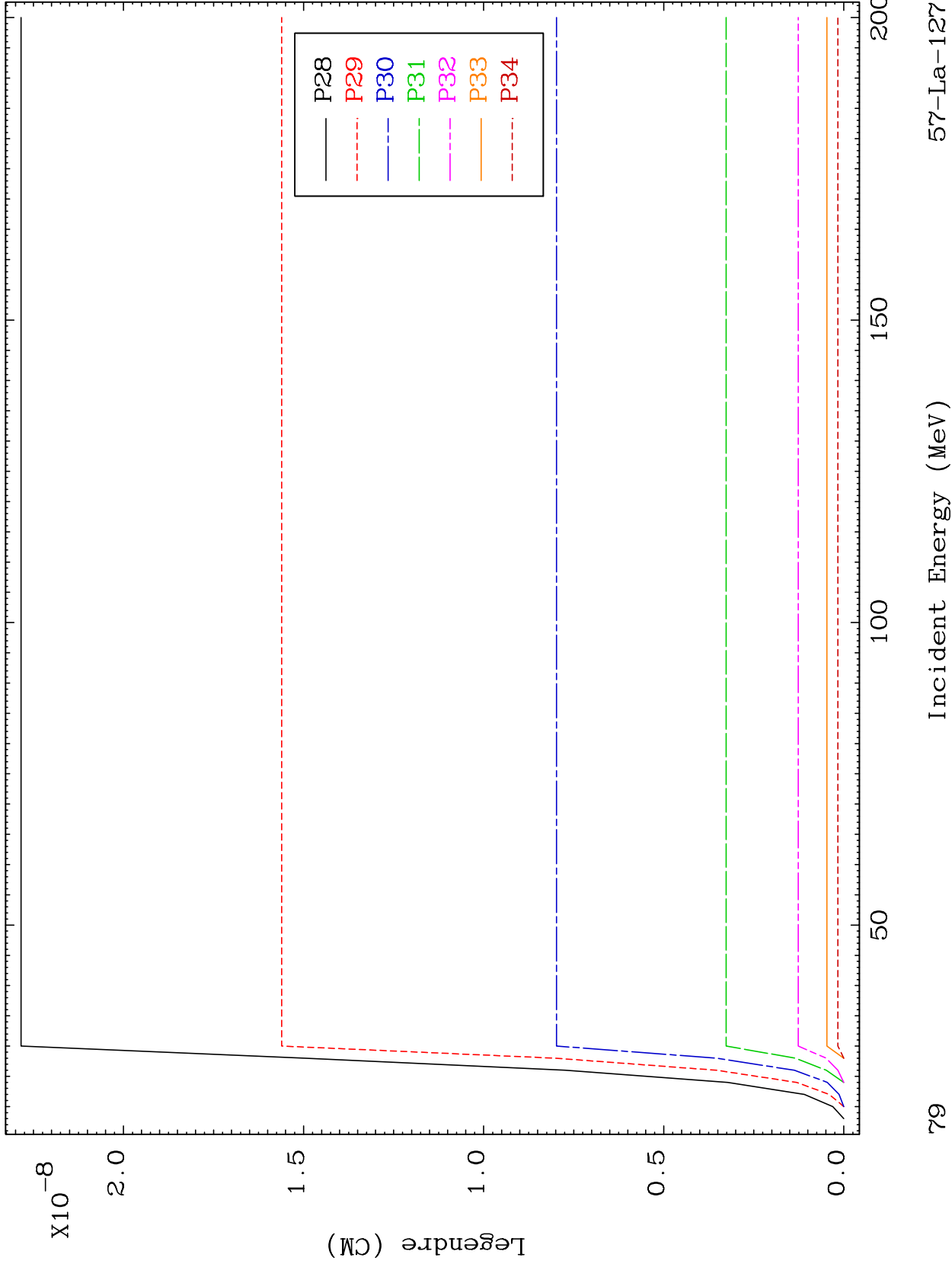
57-La-127



MAT 5692

505.7 keV (n,n') Level
Legendre Coefficients

57-La-127



79

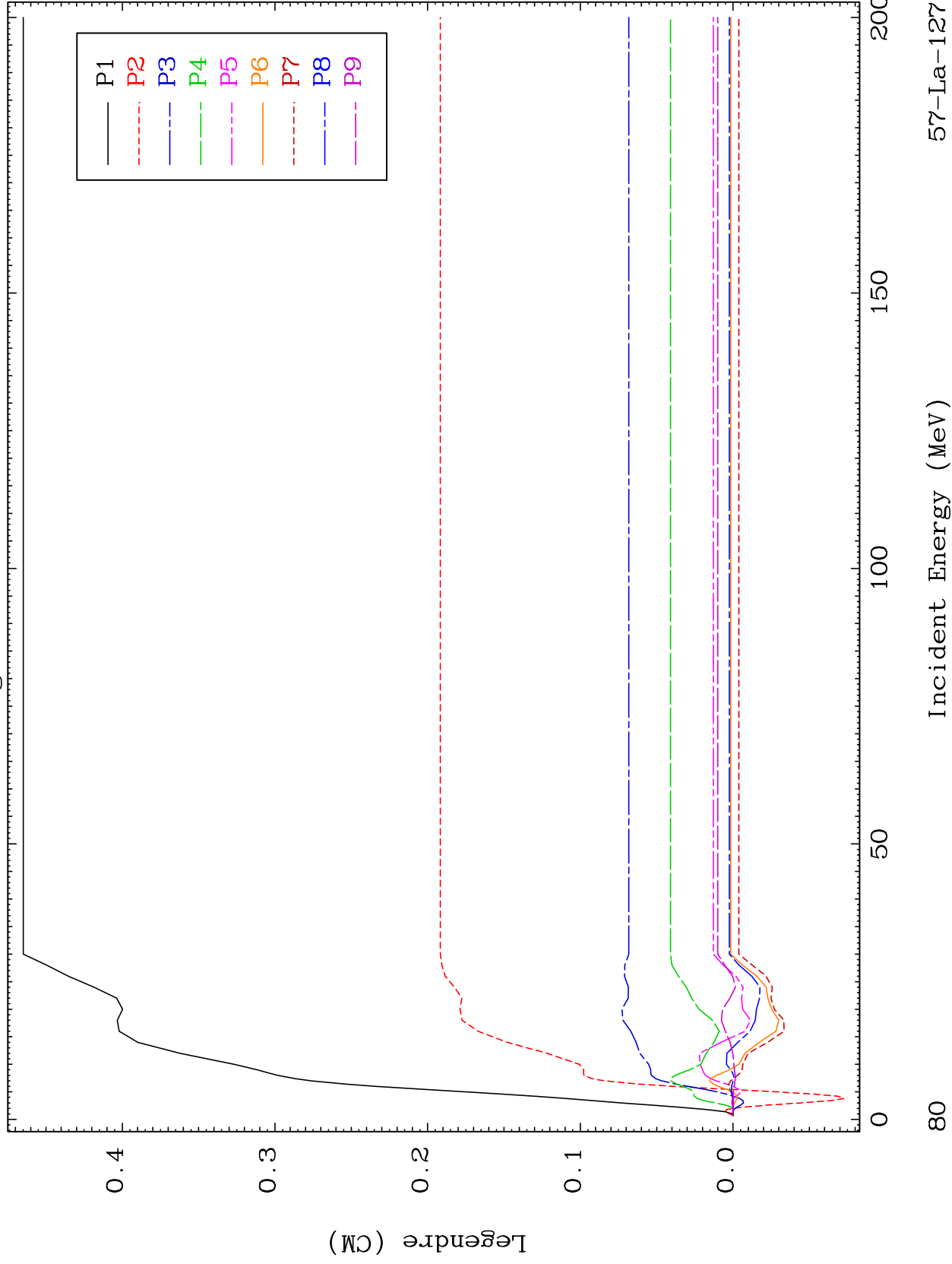
Incident Energy (MeV)

57-La-127

MAT 5692

609.9 keV (n,n') Level
Legendre Coefficients

57-La-127

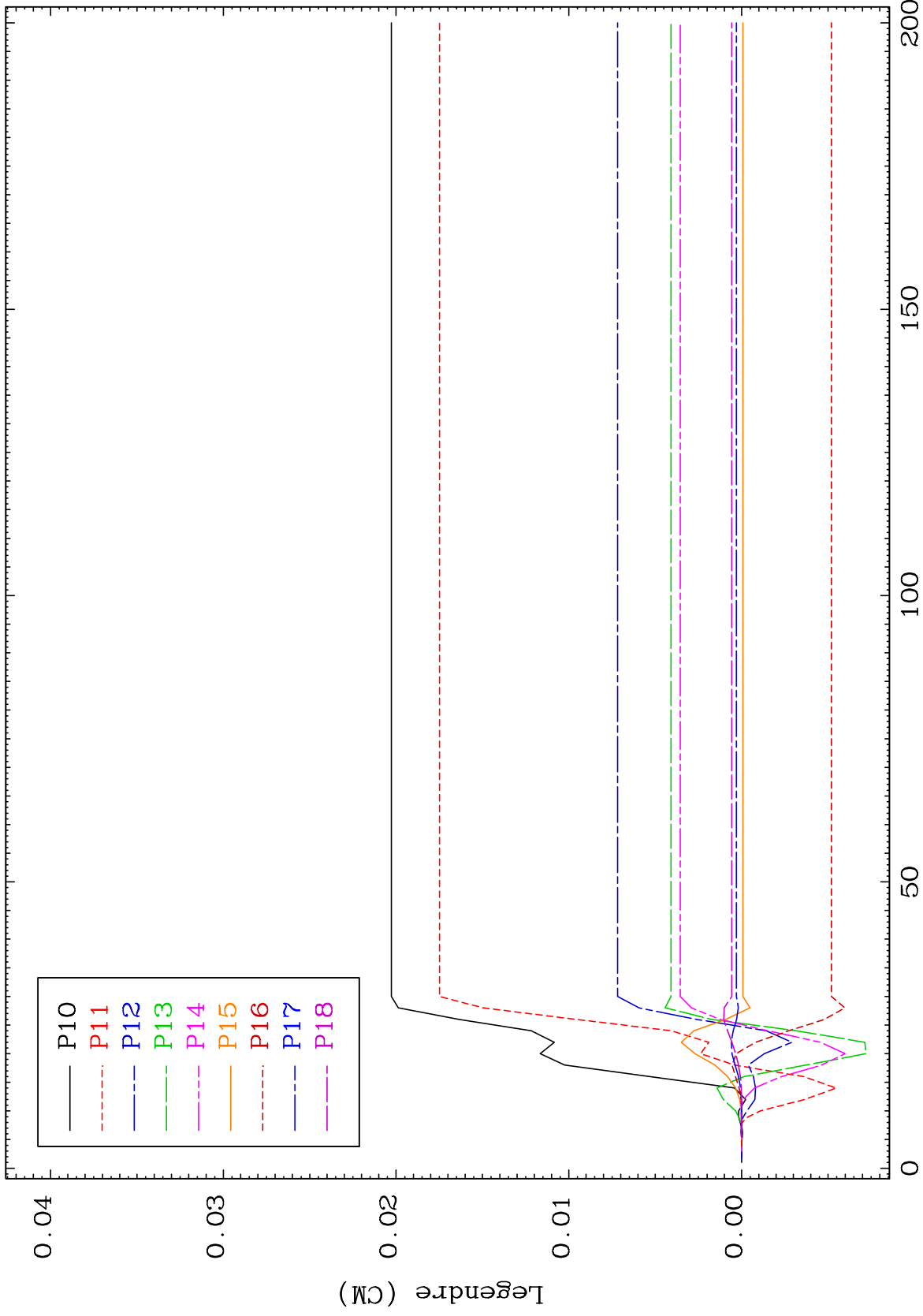


57-La-127

MAT 5692

609.9 keV (n,n') Level
Legendre Coefficients

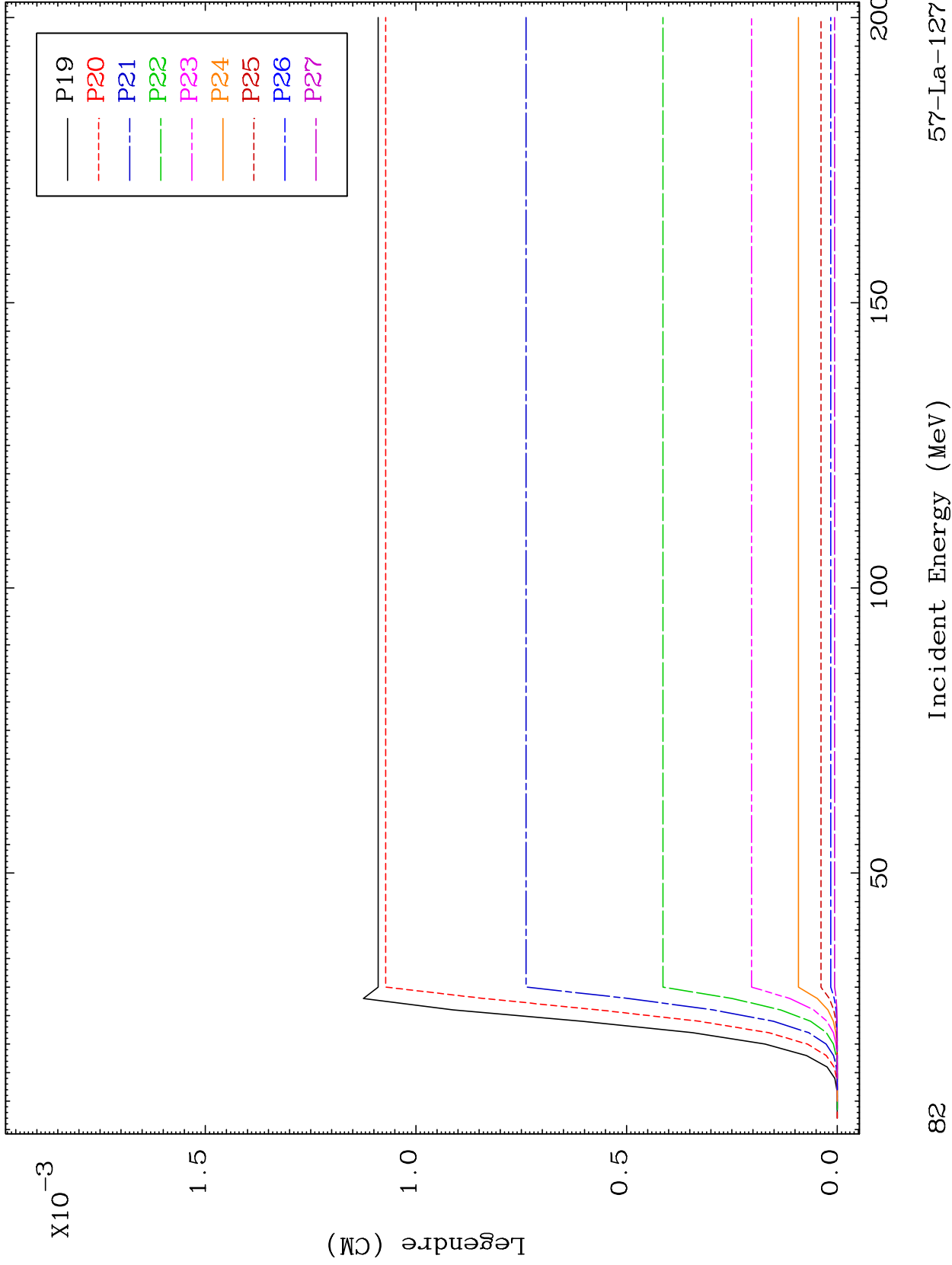
57-La-127

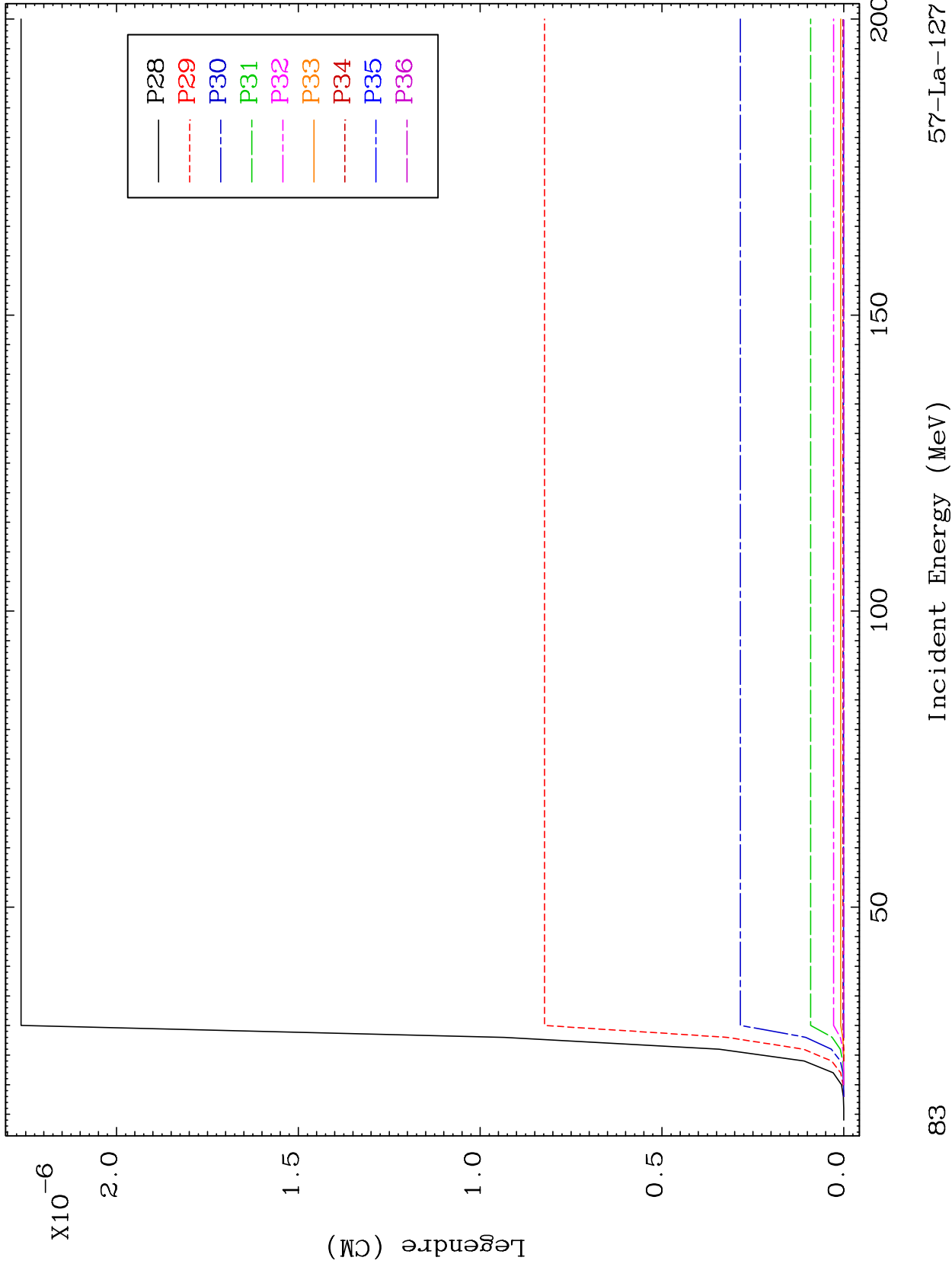


81

Incident Energy (MeV)

57-La-127

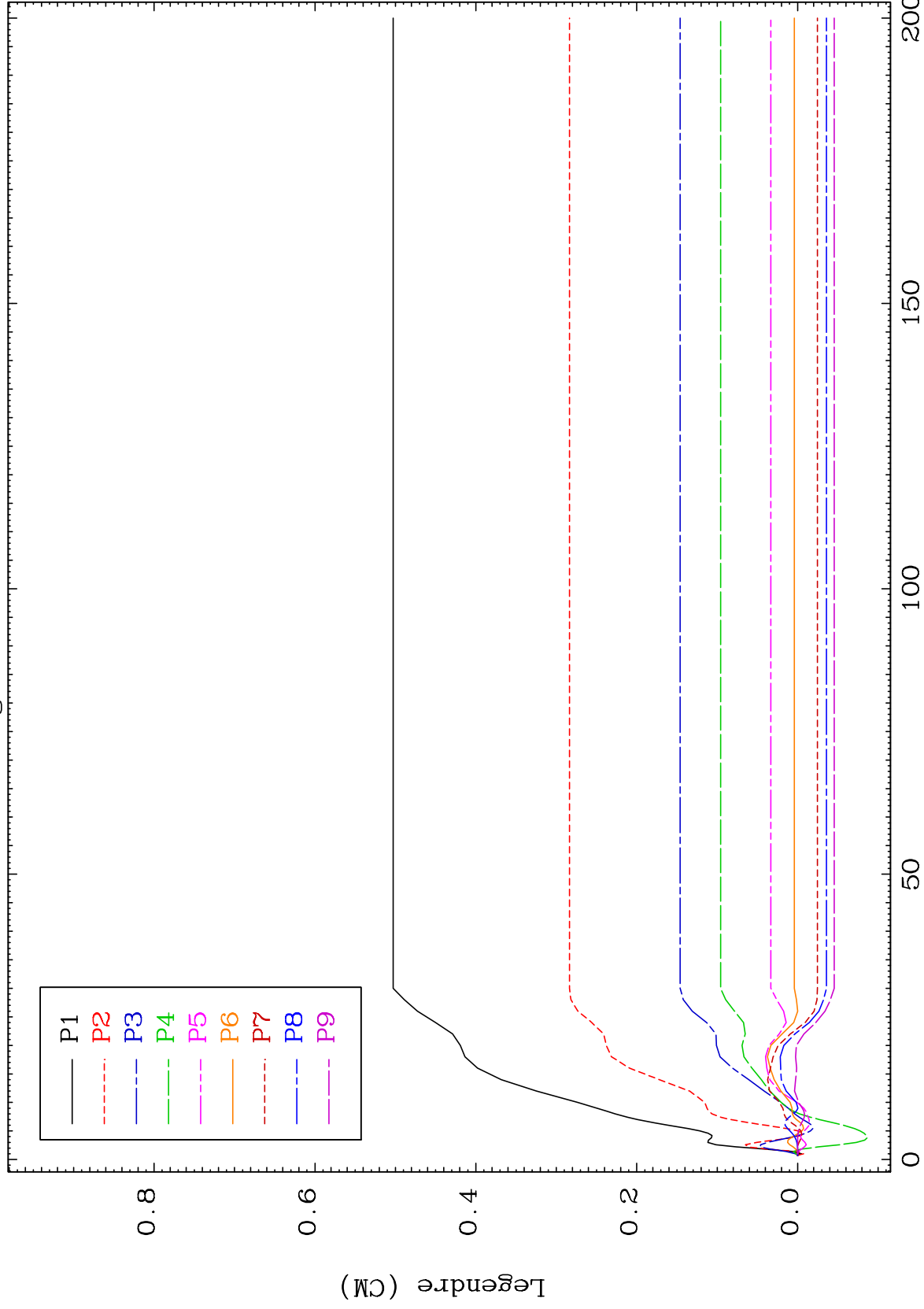




MAT 5692

653.2 keV (n,n') Level
Legendre Coefficients

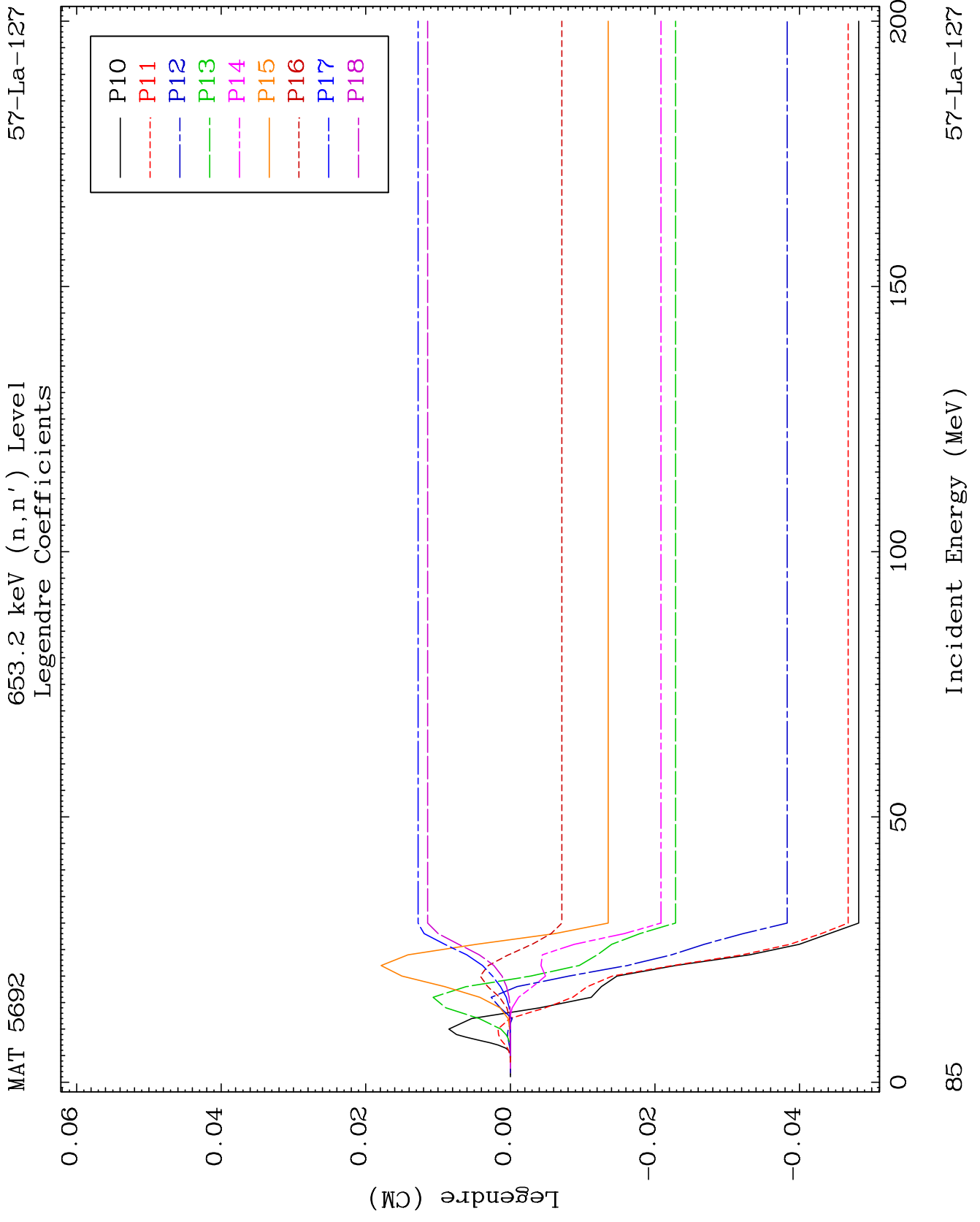
57-La-127

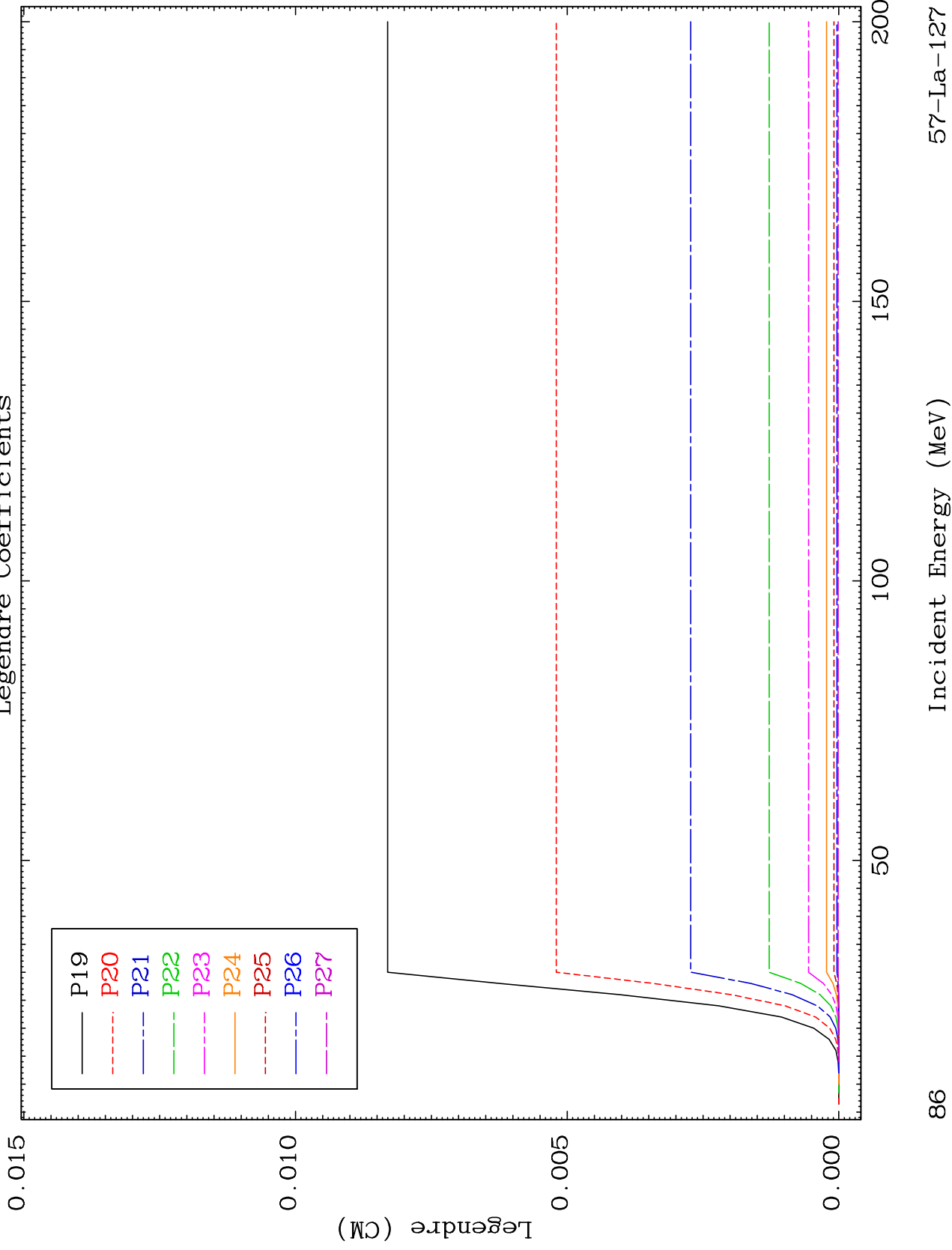


84

Incident Energy (MeV)

57-La-127

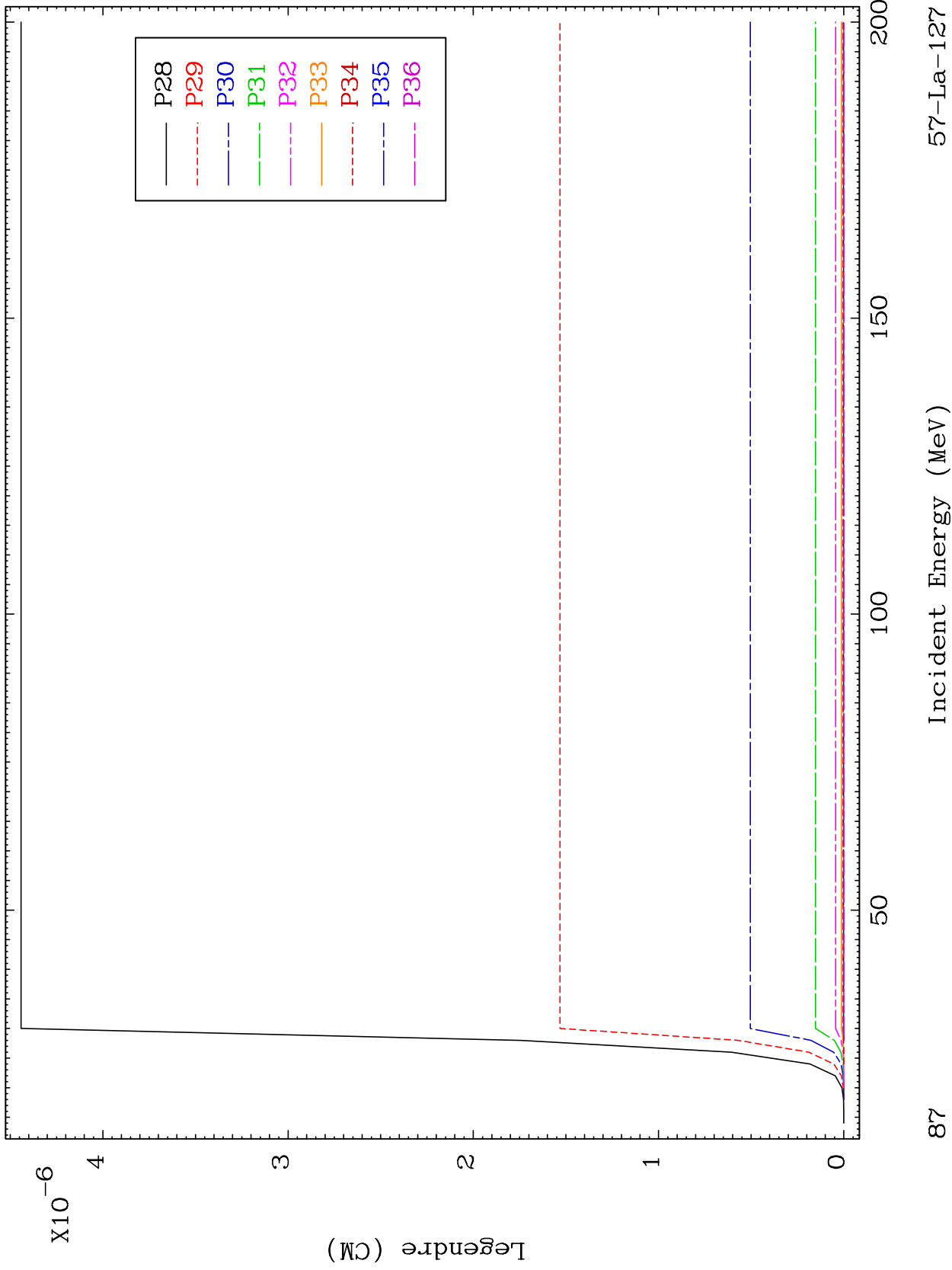




MAT 5692

653.2 keV (n, n') Level
Legendre Coefficients

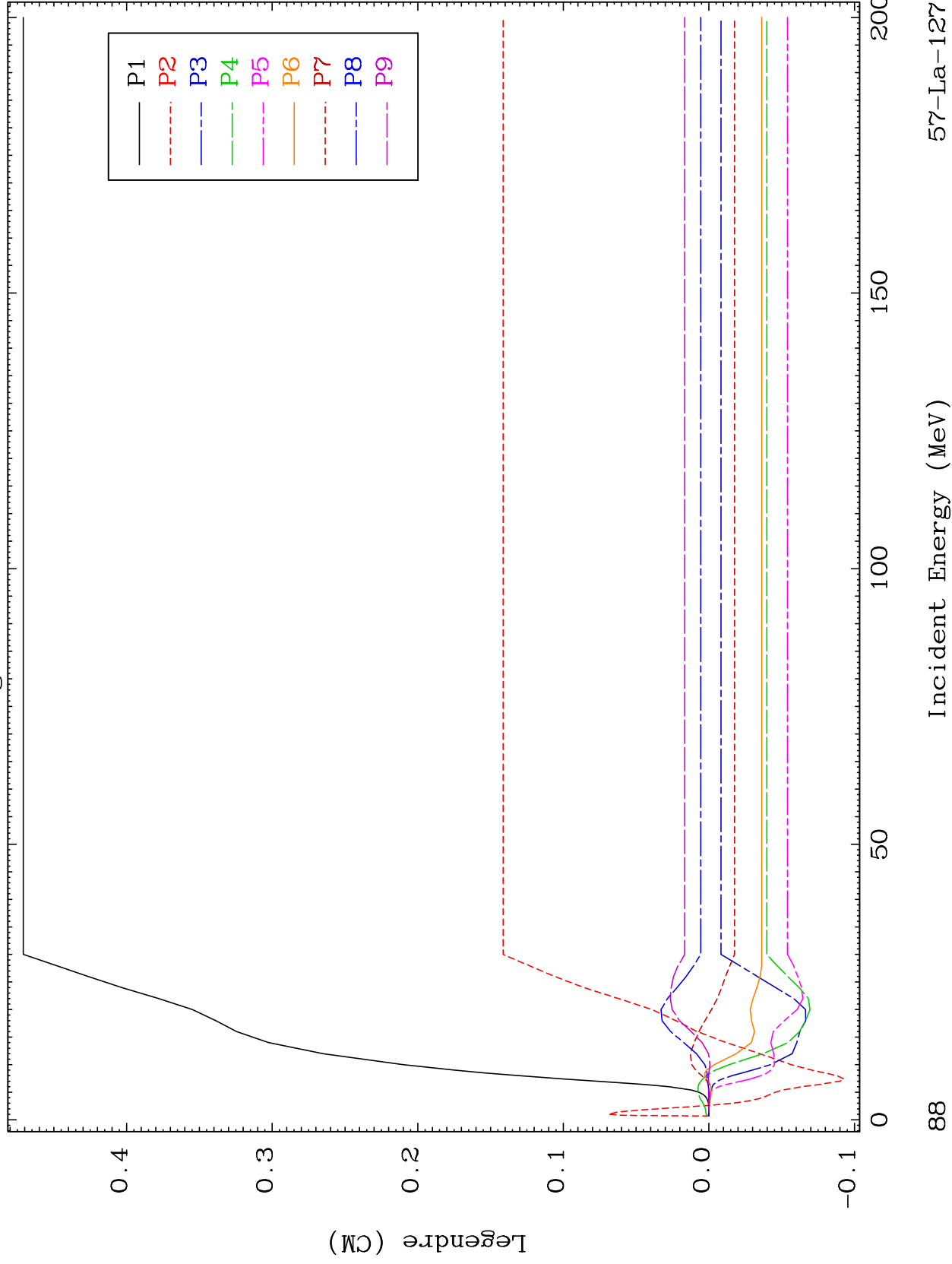
57-La-127



MAT 5692

678.7 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

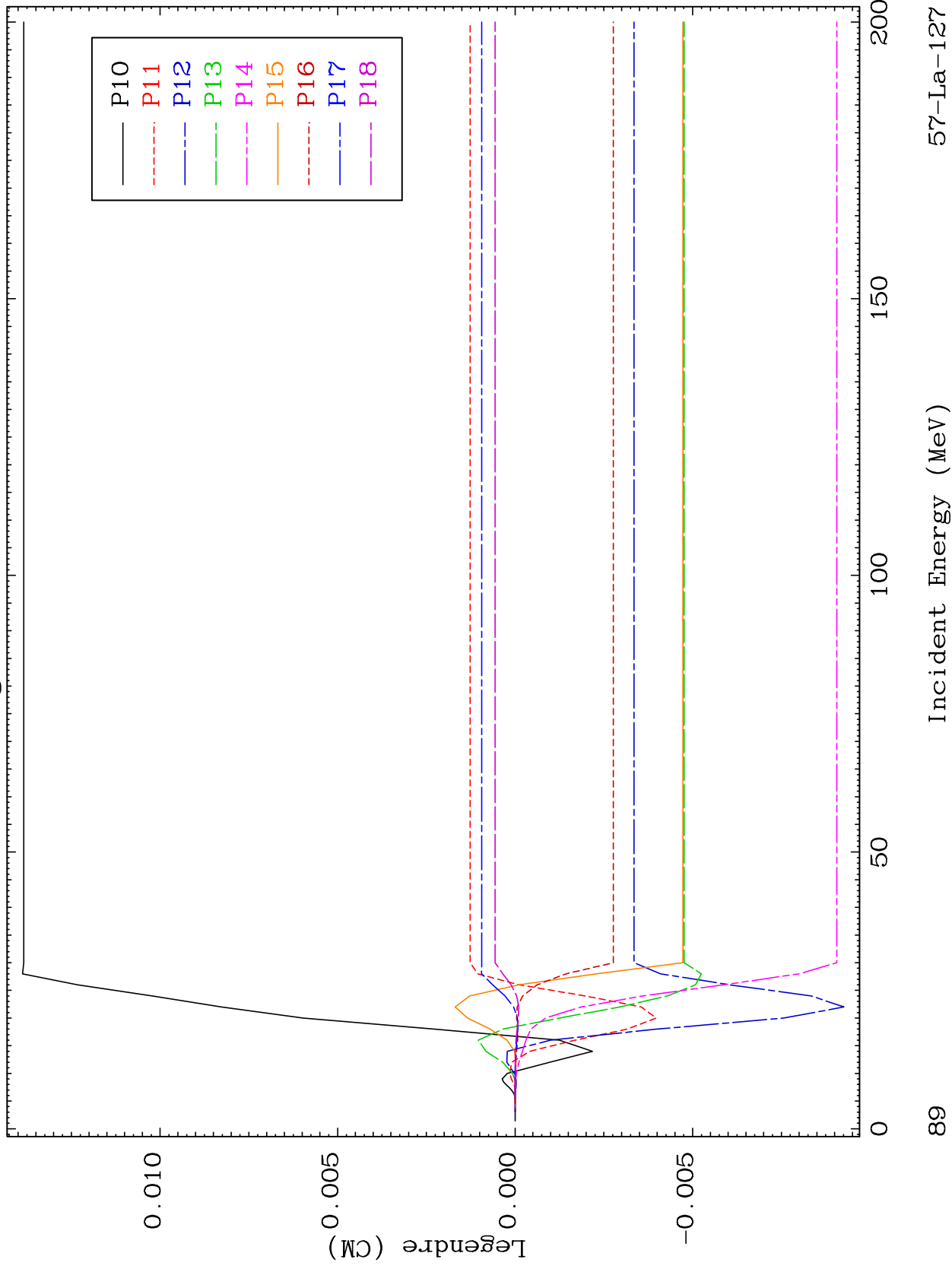
Incident Energy (MeV)

88

MAT 5692

678.7 keV (n,n') Level
Legendre Coefficients

57-La-127



89

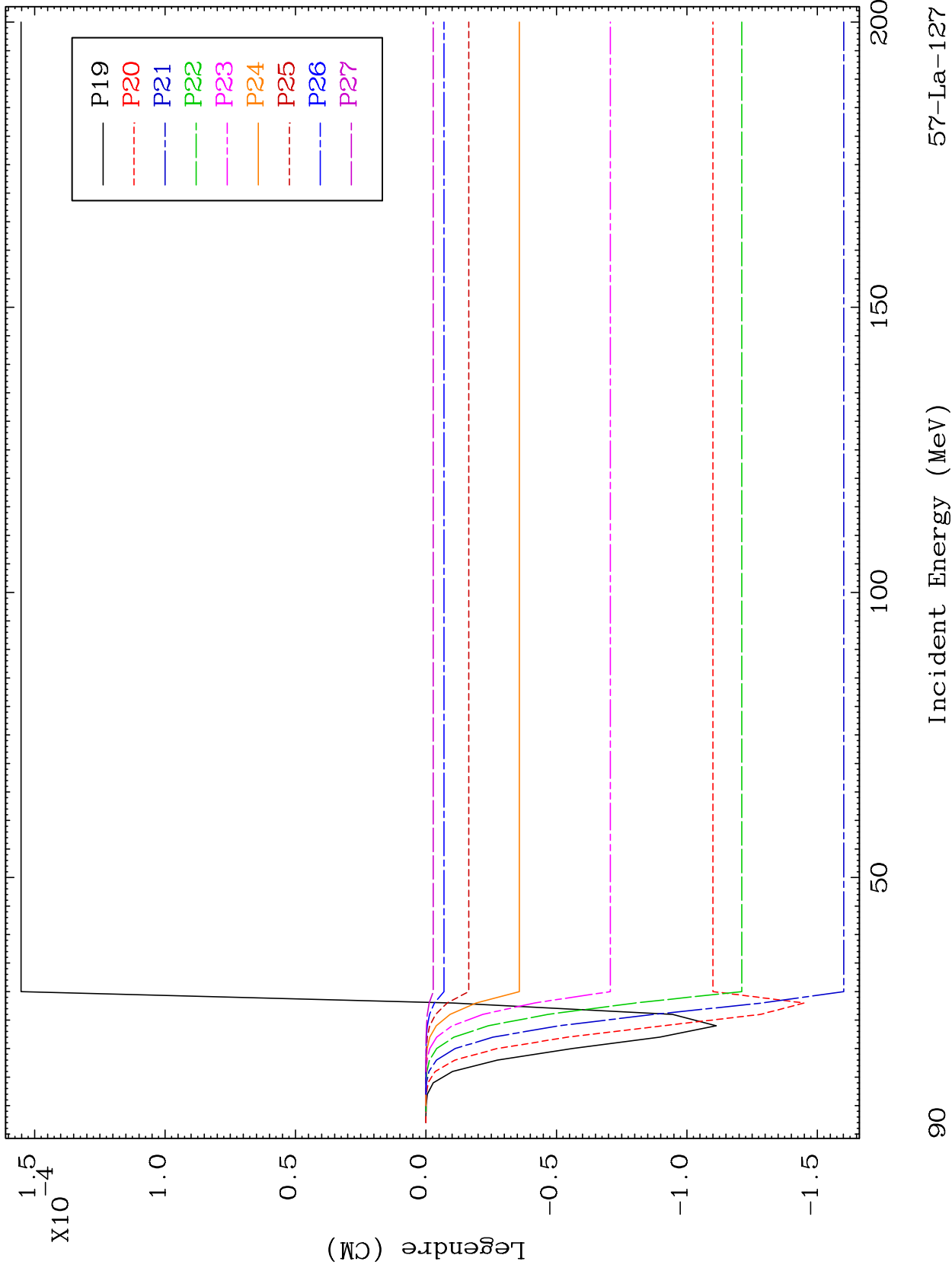
Incident Energy (MeV)

57-La-127

MAT 5692

678.7 keV (n,n') Level
Legendre Coefficients

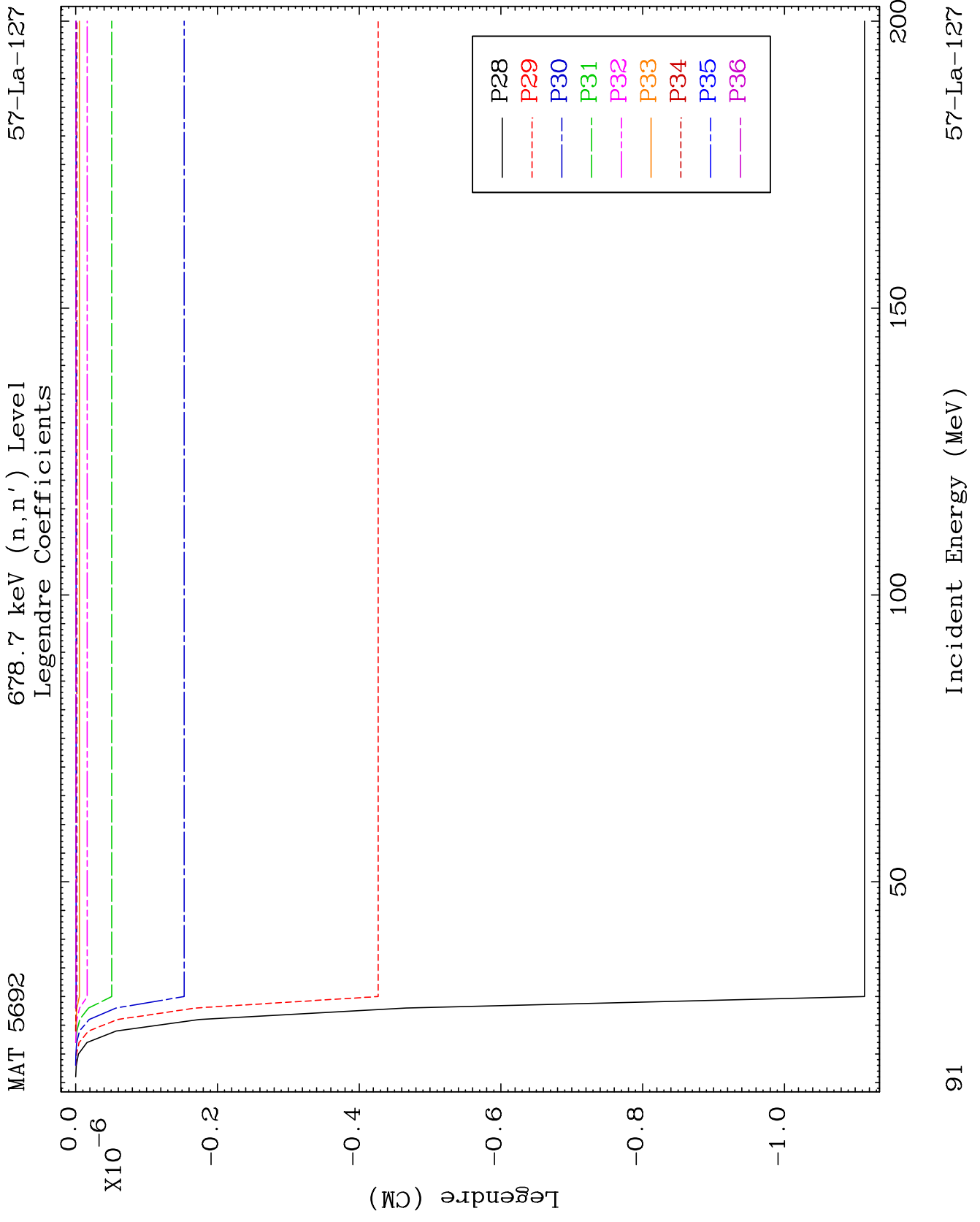
57-La-127



90

Incident Energy (MeV)

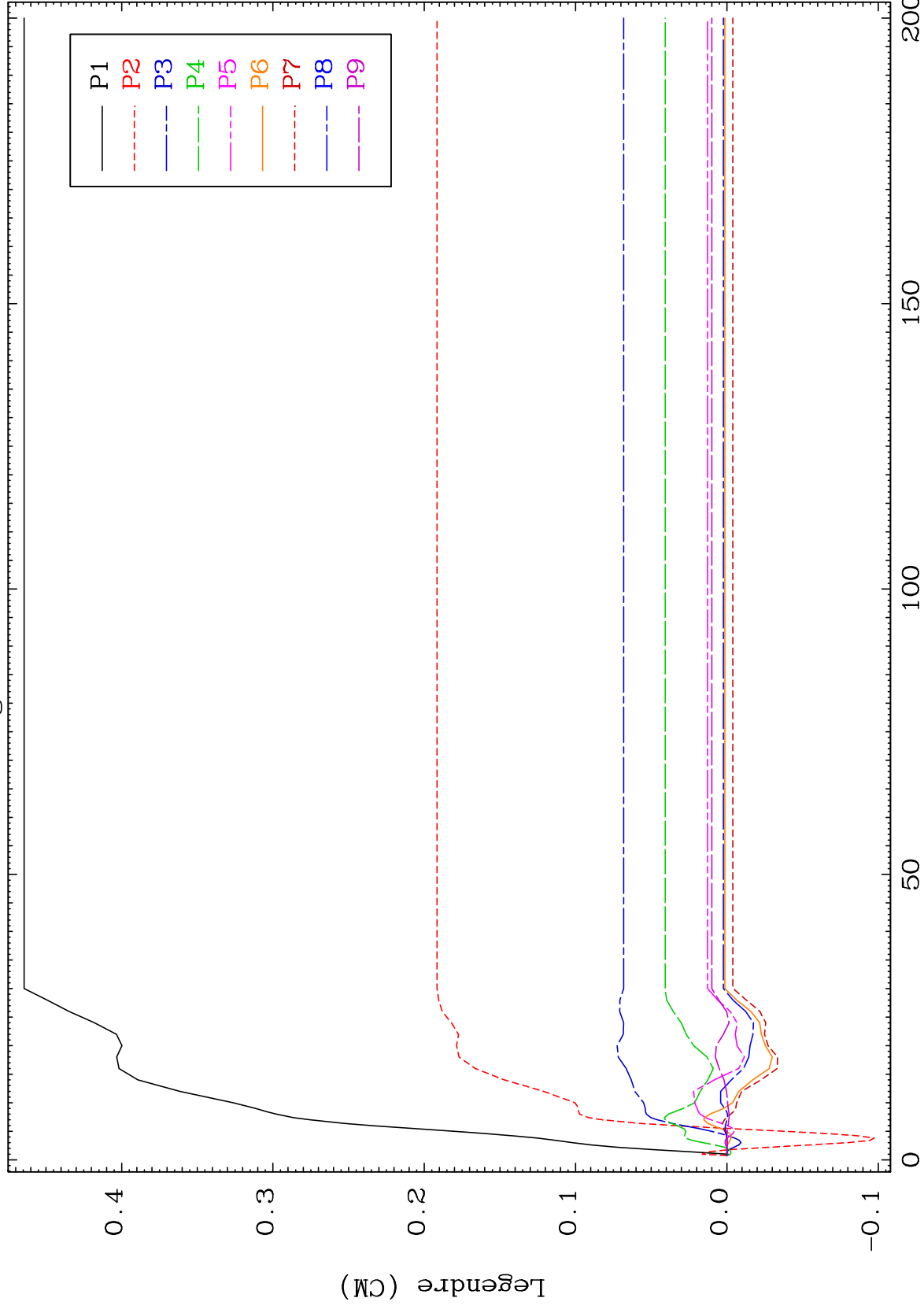
57-La-127



MAT 5692

710.9 keV (n,n') Level
Legendre Coefficients

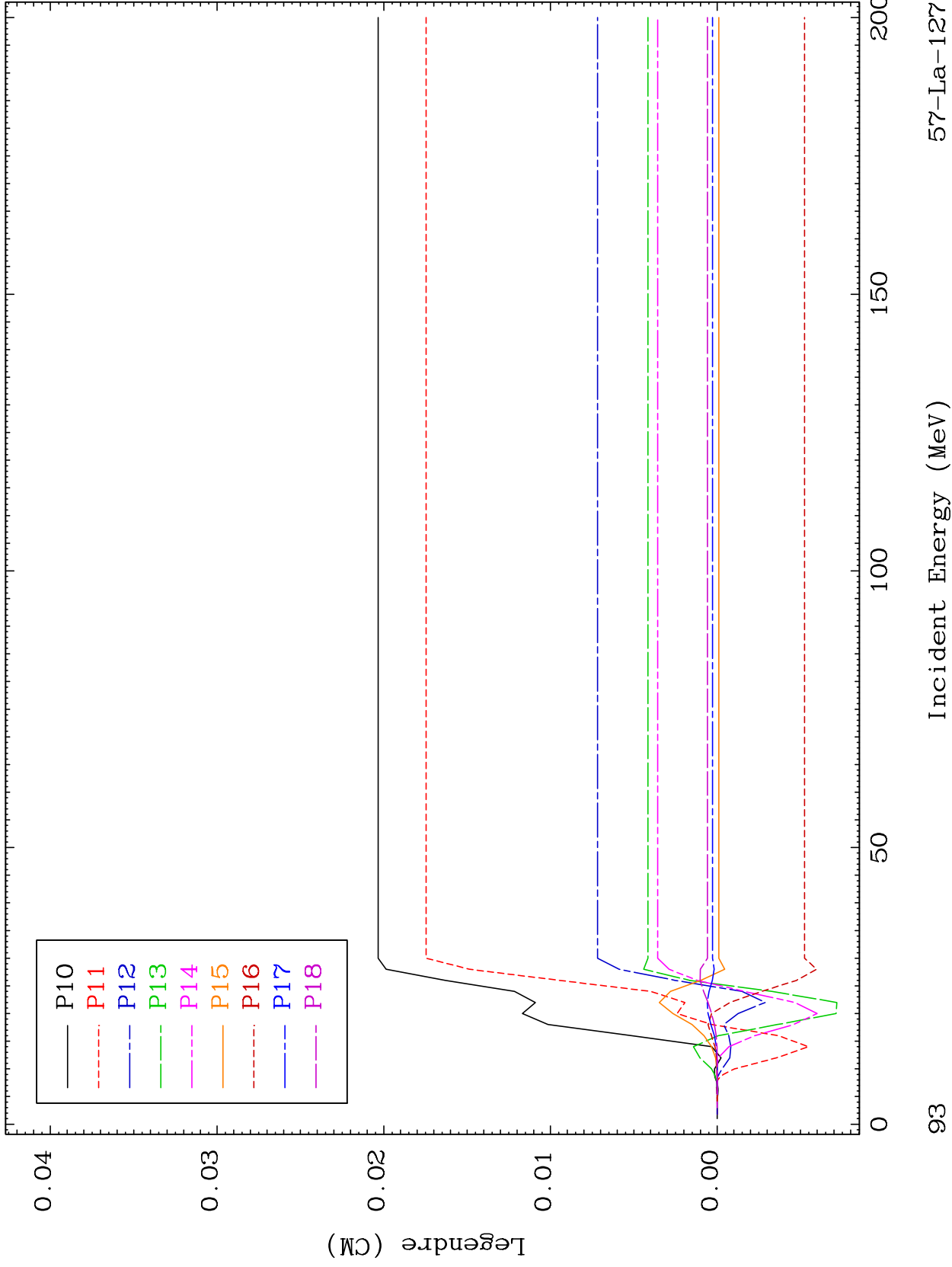
57-La-127



92

Incident Energy (MeV)

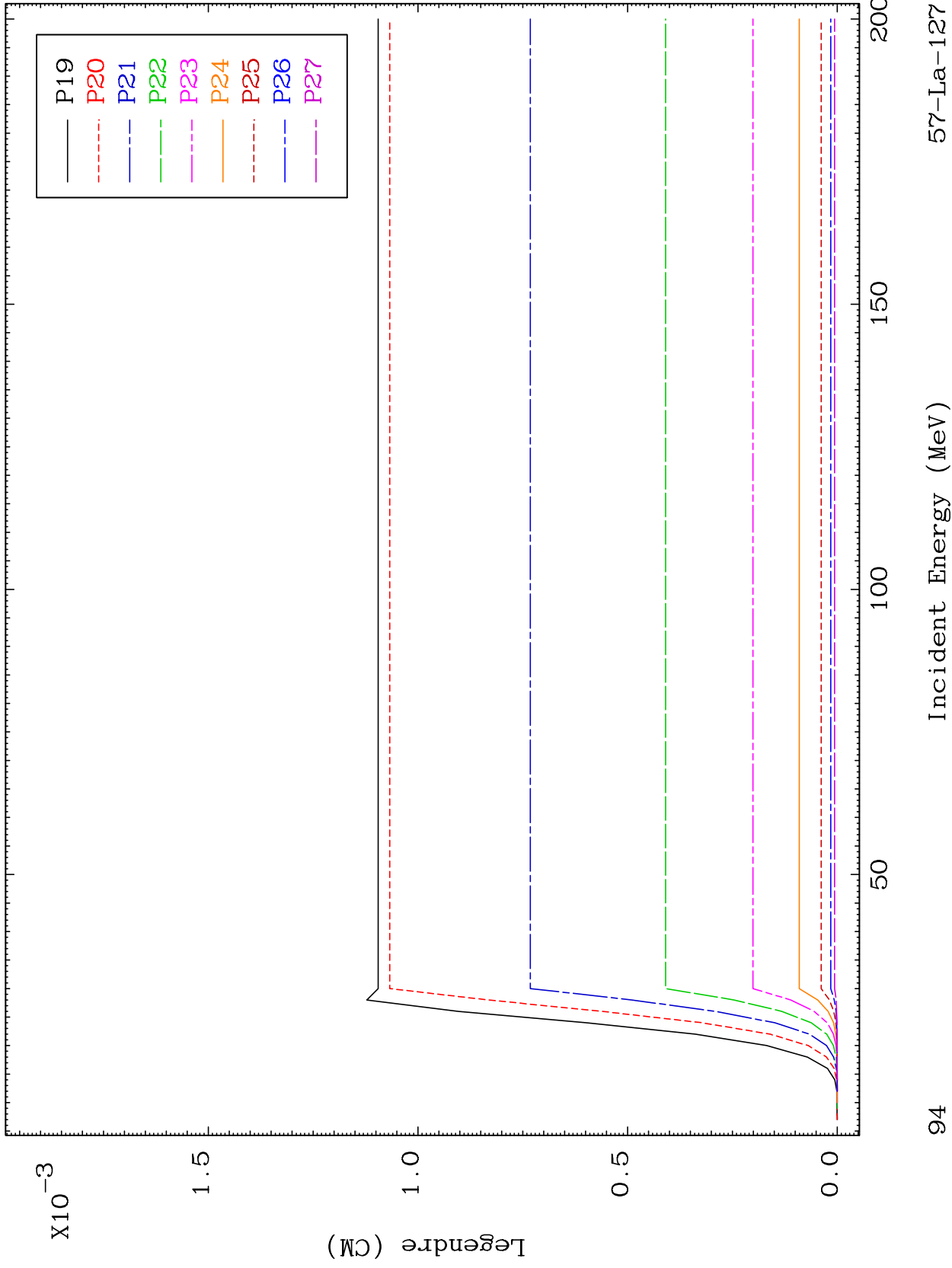
57-La-127



MAT 5692

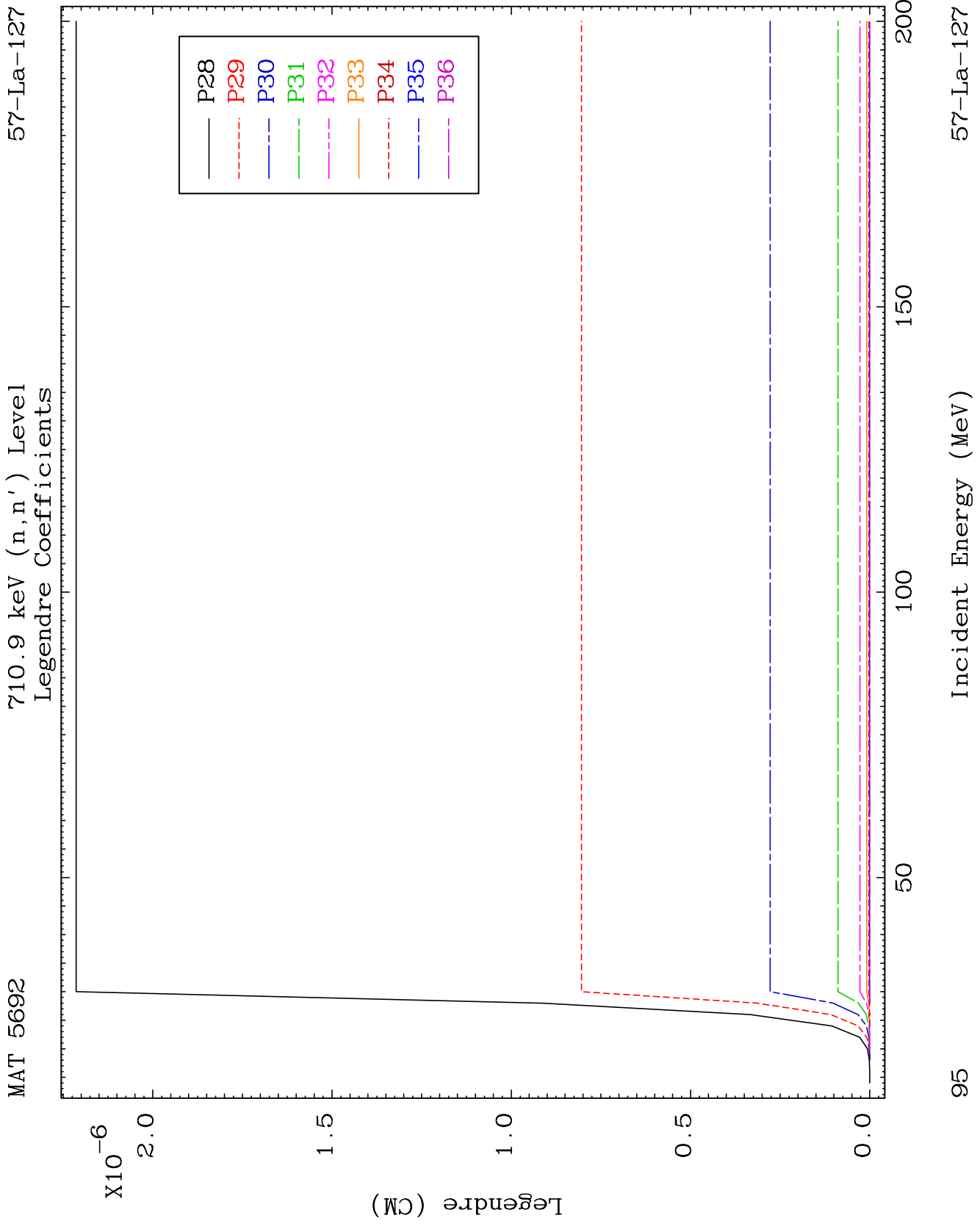
710.9 keV (n,n') Level
Legendre Coefficients

57-La-127



94

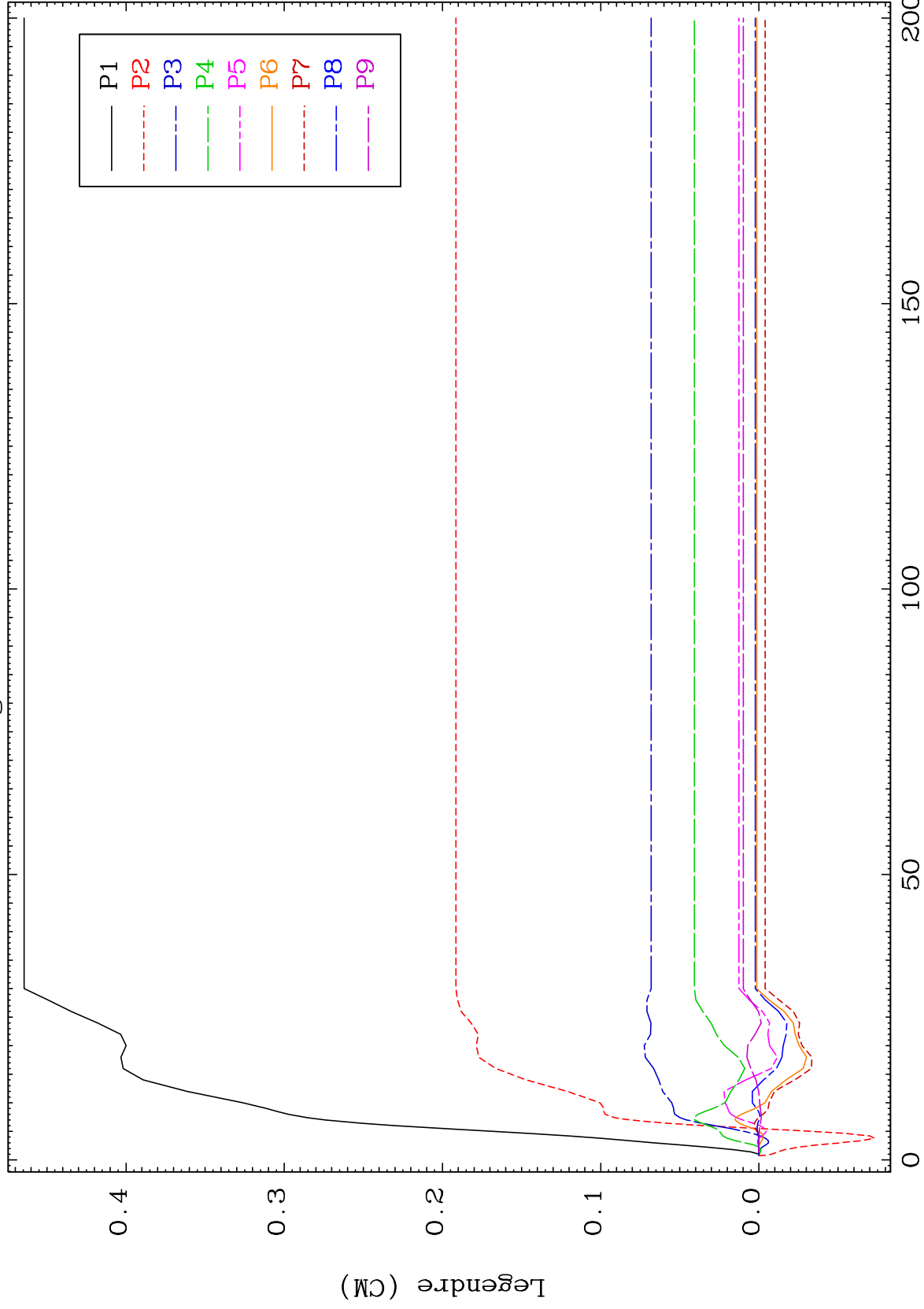
57-La-127



MAT 5692

723.3 keV (n,n') Level
Legendre Coefficients

57-La-127



96

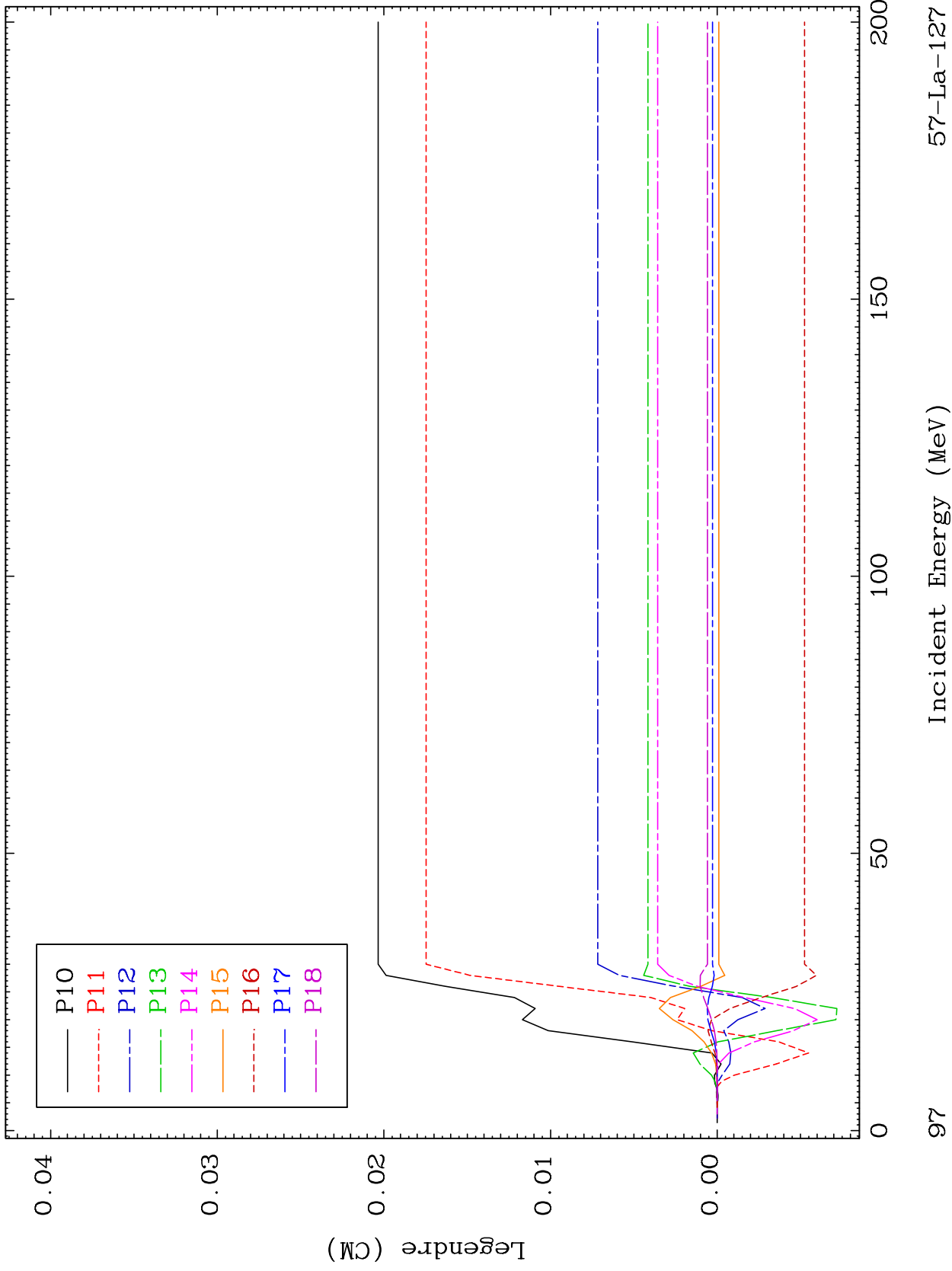
Incident Energy (MeV)

57-La-127

MAT 5692

723.3 keV (n,n') Level
Legendre Coefficients

57-La-127



97

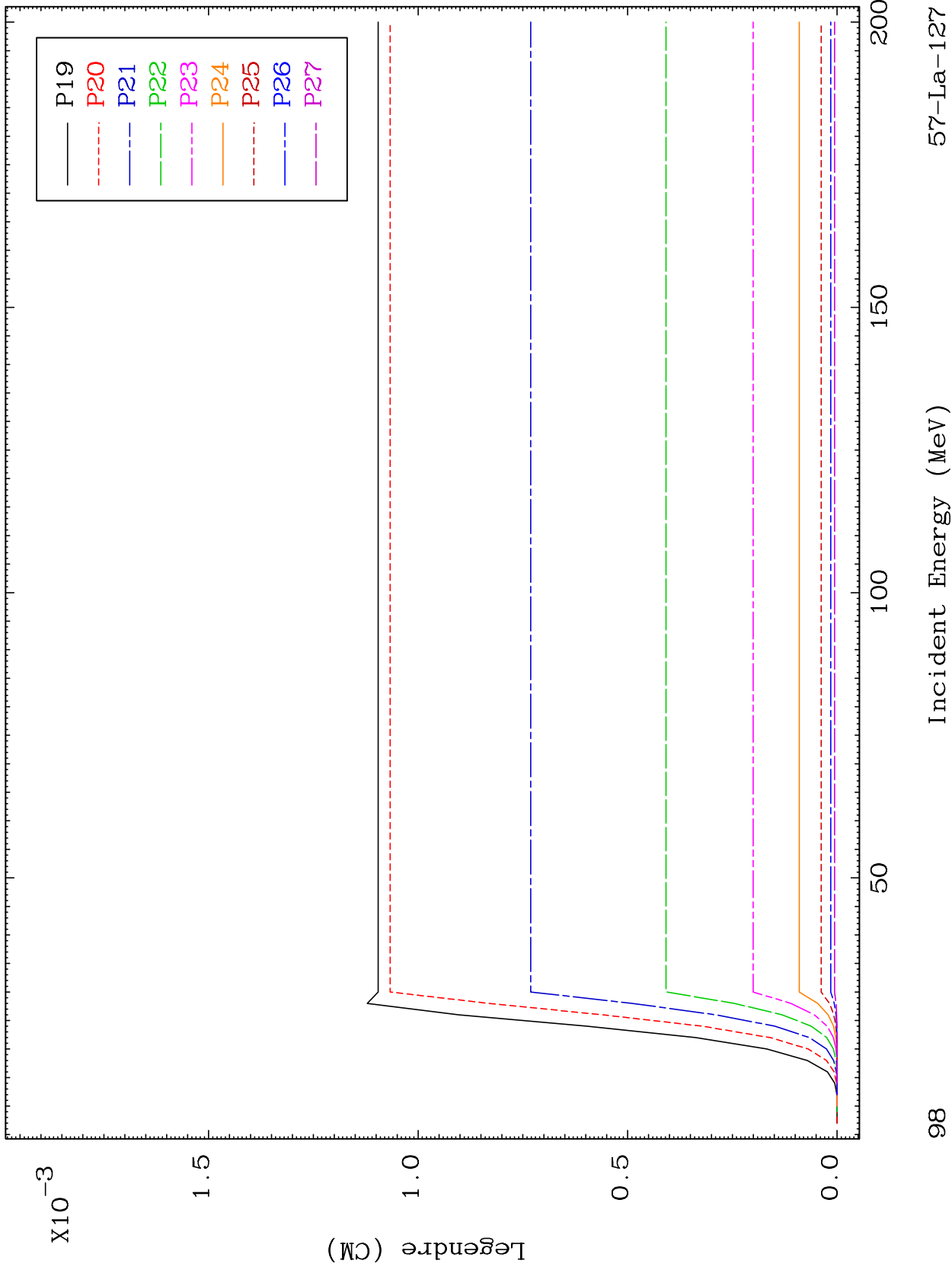
Incident Energy (MeV)

57-La-127

MAT 5692

723.3 keV (n,n') Level
Legendre Coefficients

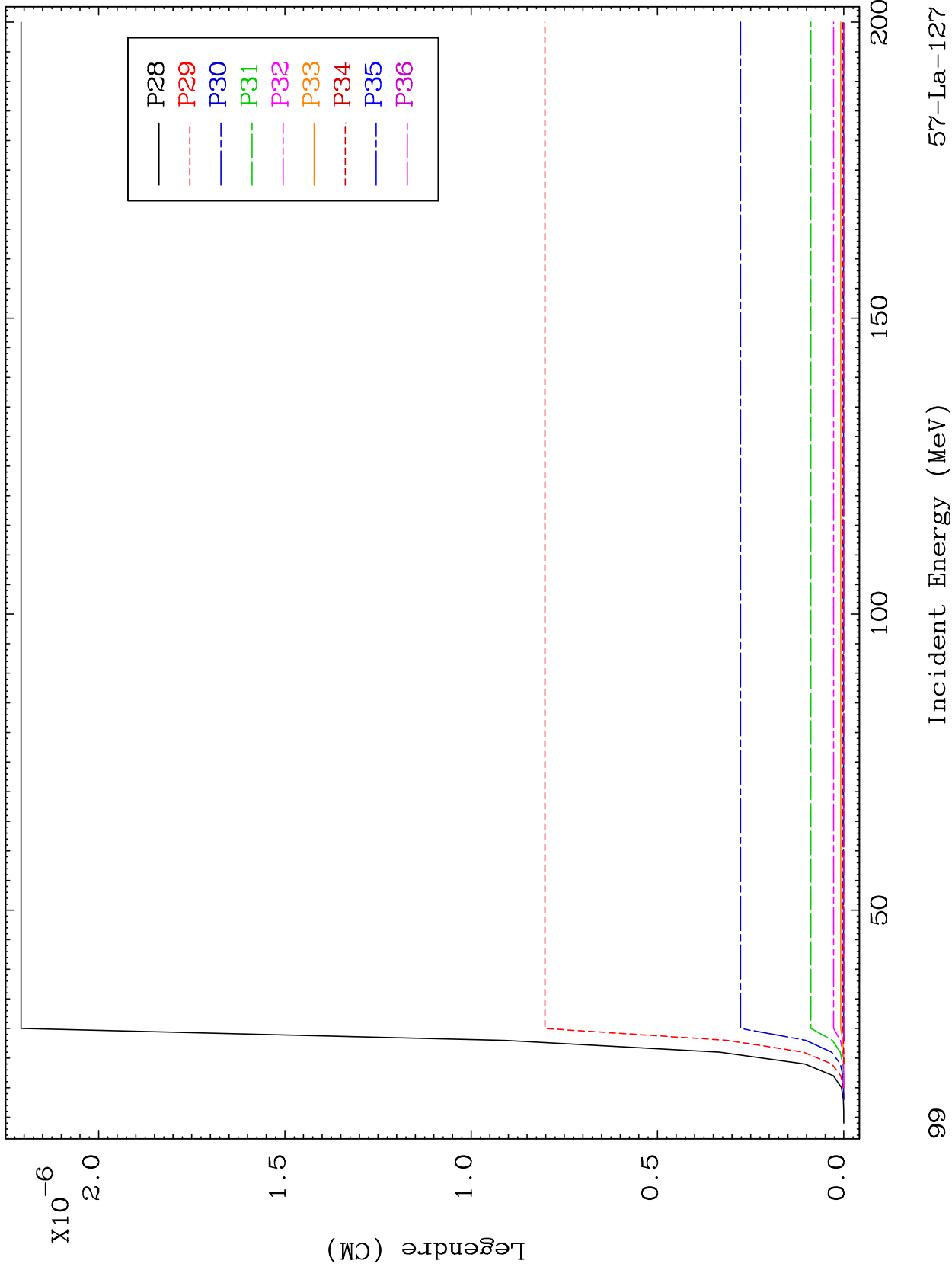
57-La-127



MAT 5692

723.3 keV (n,n') Level
Legendre Coefficients

57-La-127



99

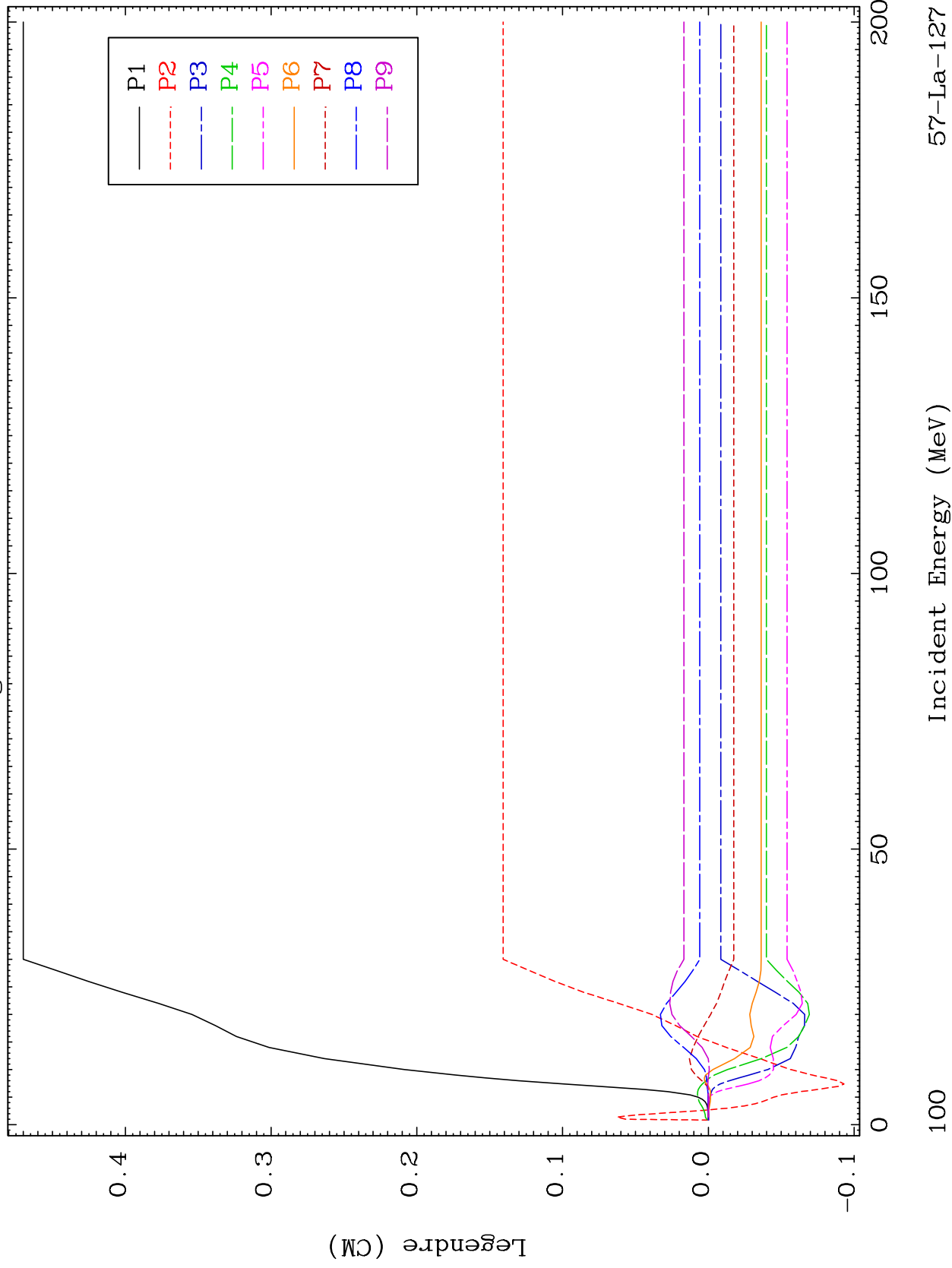
Incident Energy (MeV)

57-La-127

MAT 5692

837.6 keV (n,n') Level
Legendre Coefficients

57-La-127

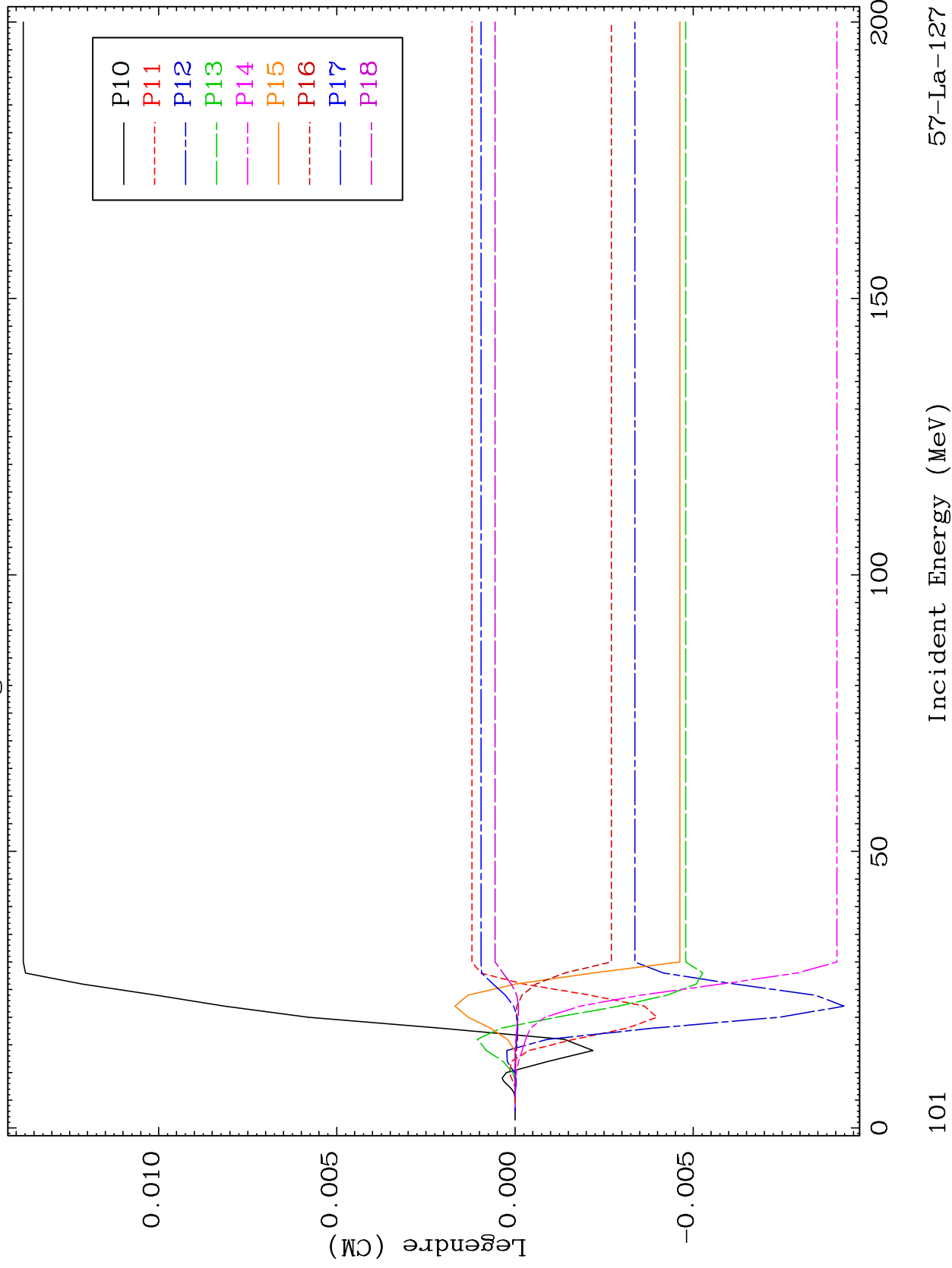


57-La-127

MAT 5692

837.6 keV (n,n') Level
Legendre Coefficients

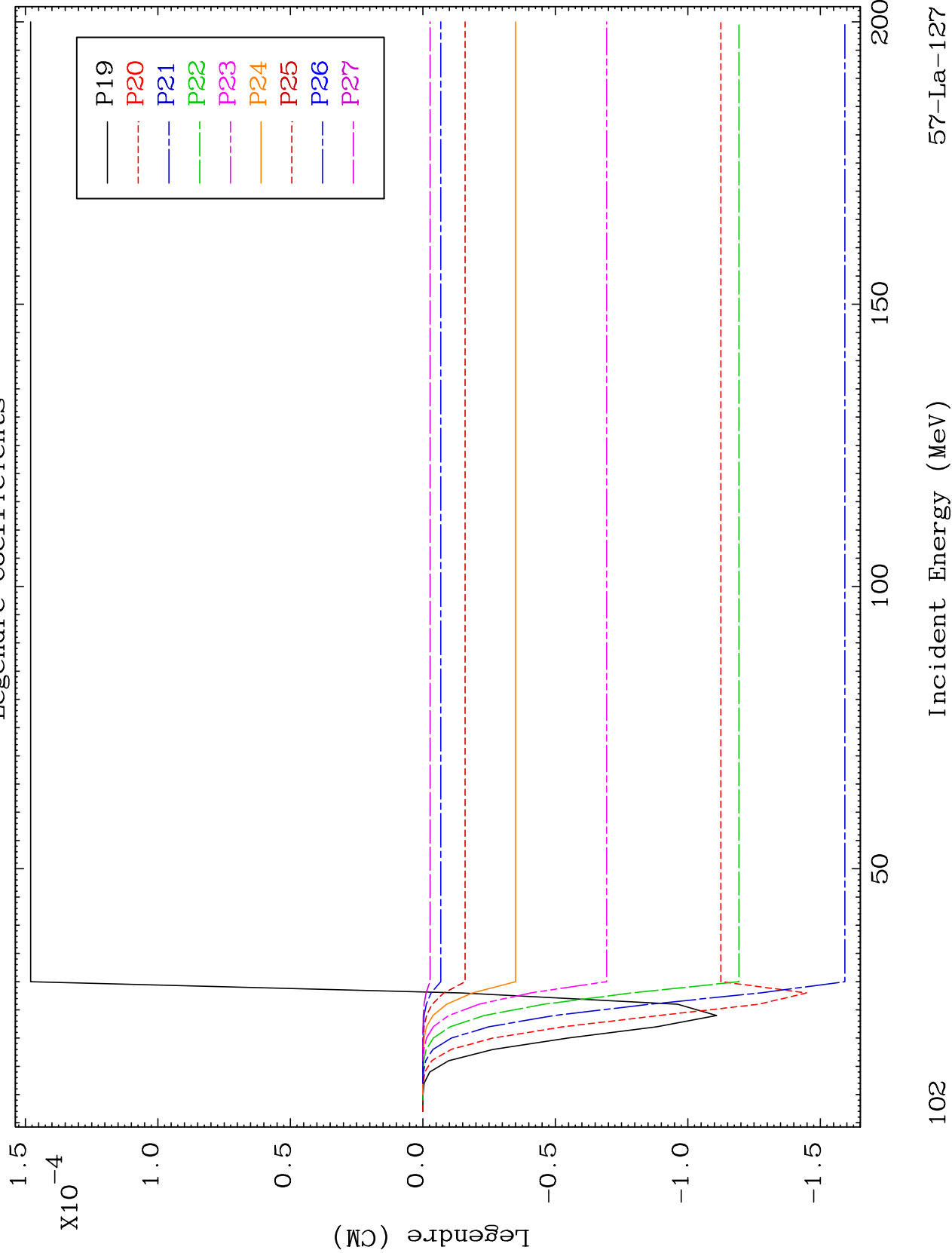
57-La-127

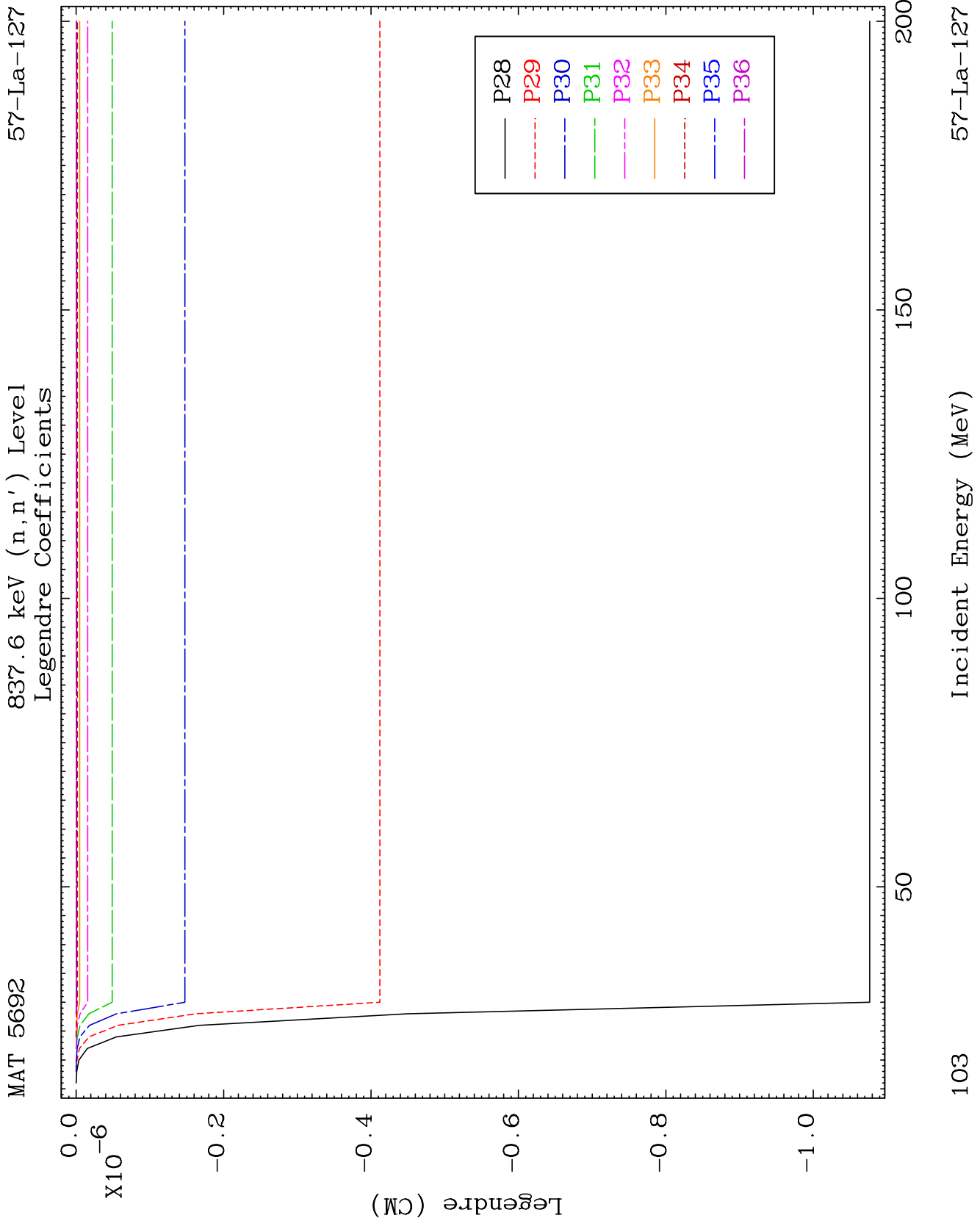


101

Incident Energy (MeV)

57-La-127

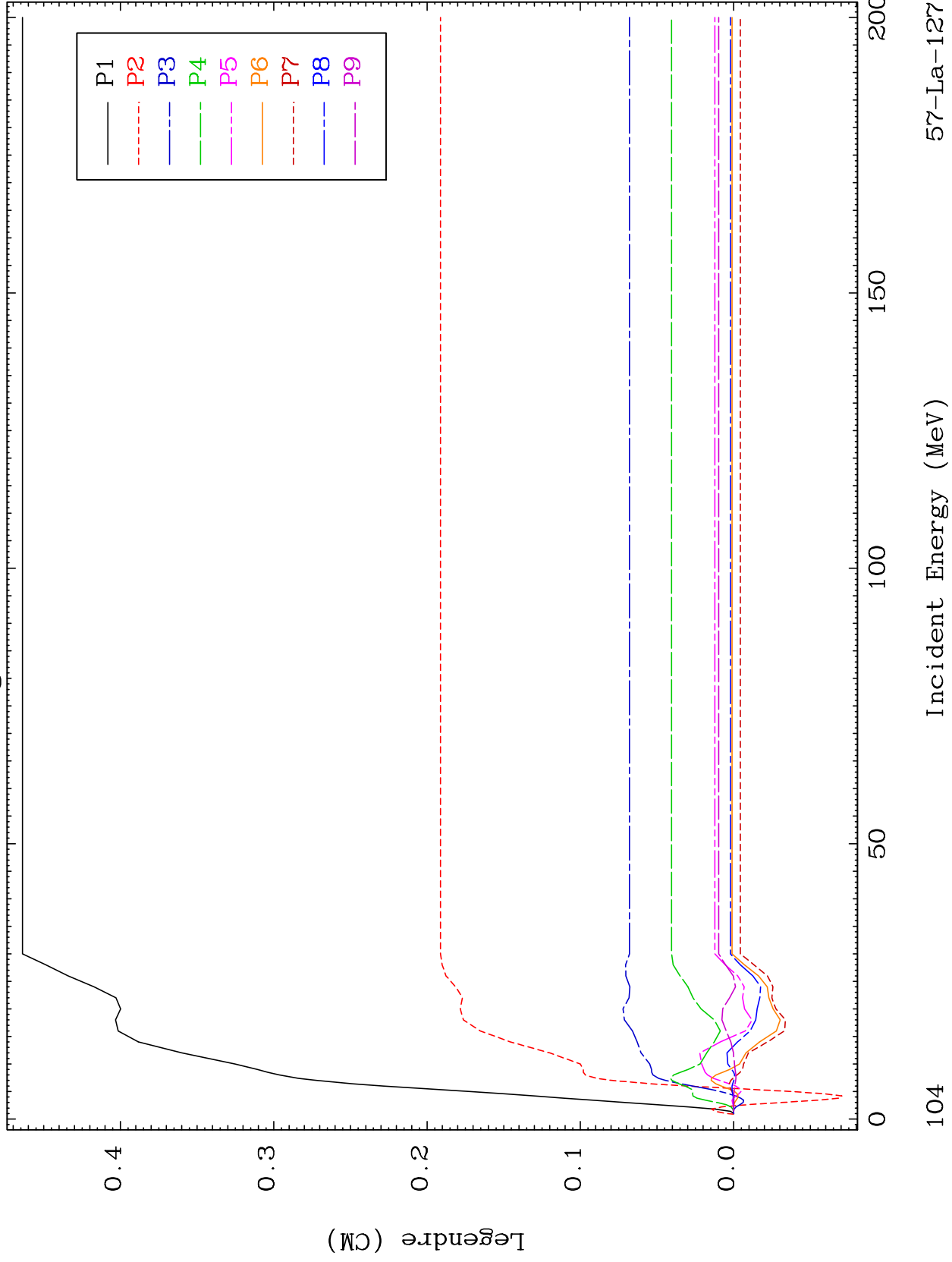




MAT 5692

861.5 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

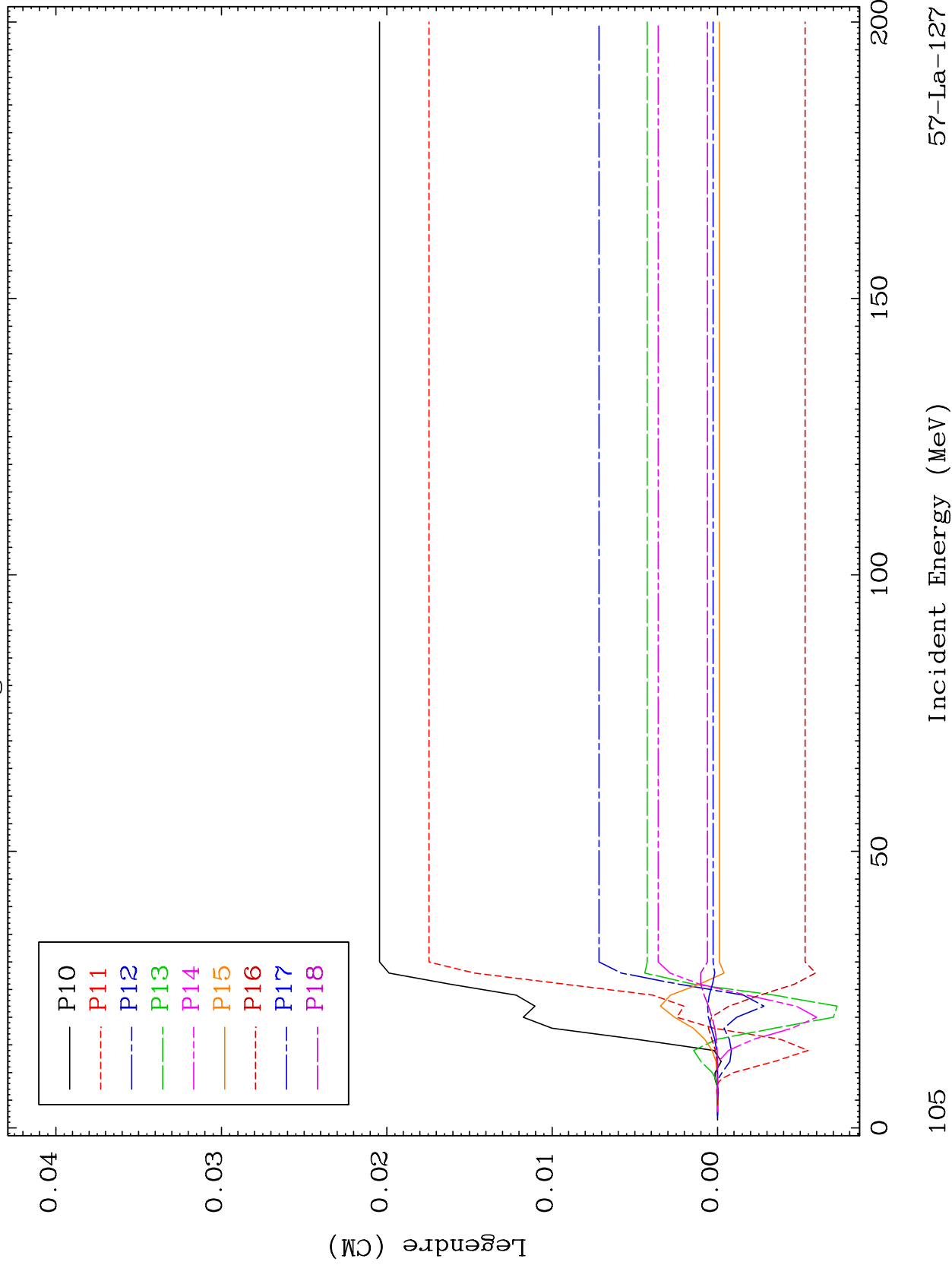
Incident Energy (MeV)

104

MAT 5692

861.5 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

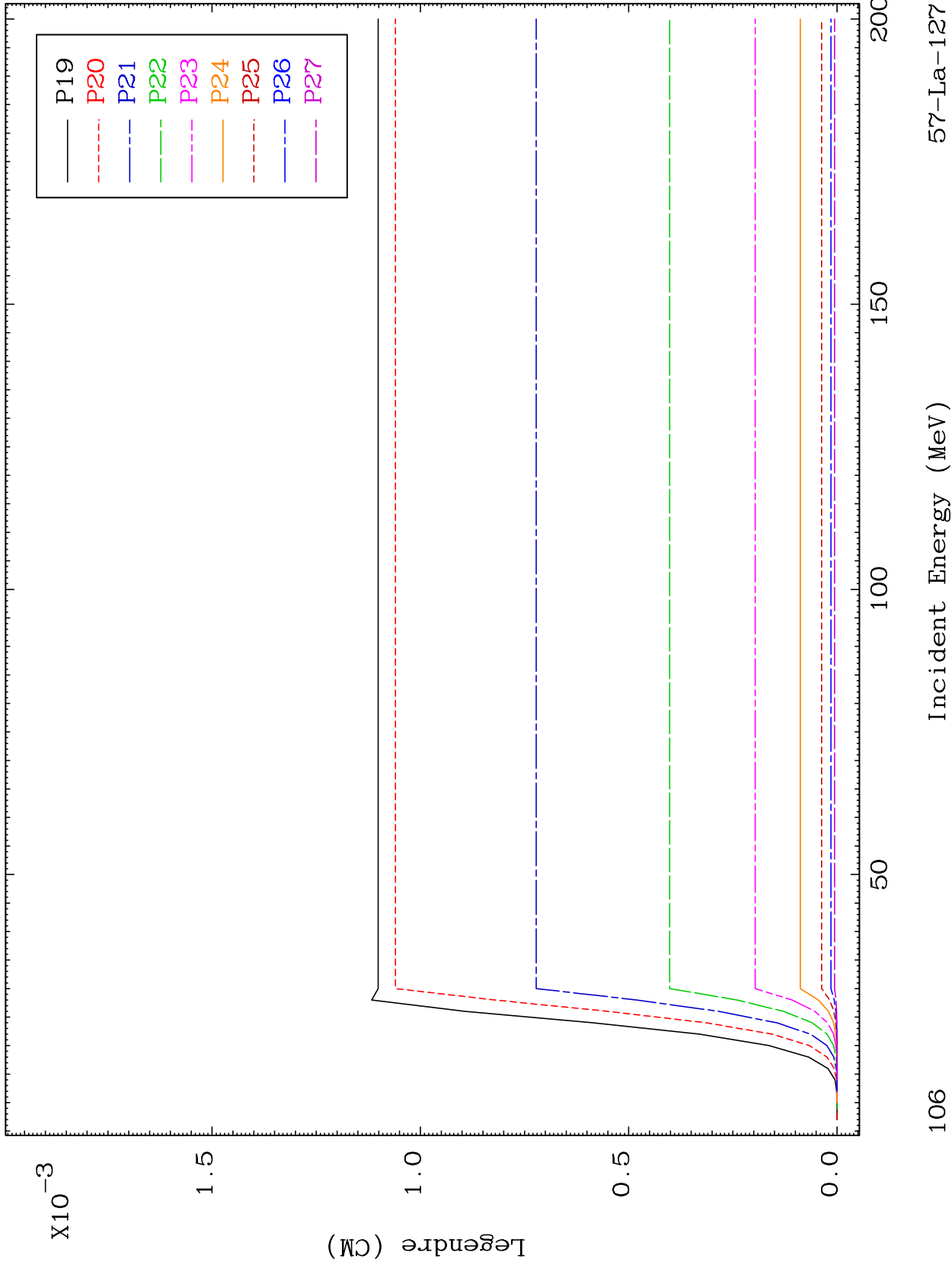
Incident Energy (MeV)

105

MAT 5692

861.5 keV (n,n') Level
Legendre Coefficients

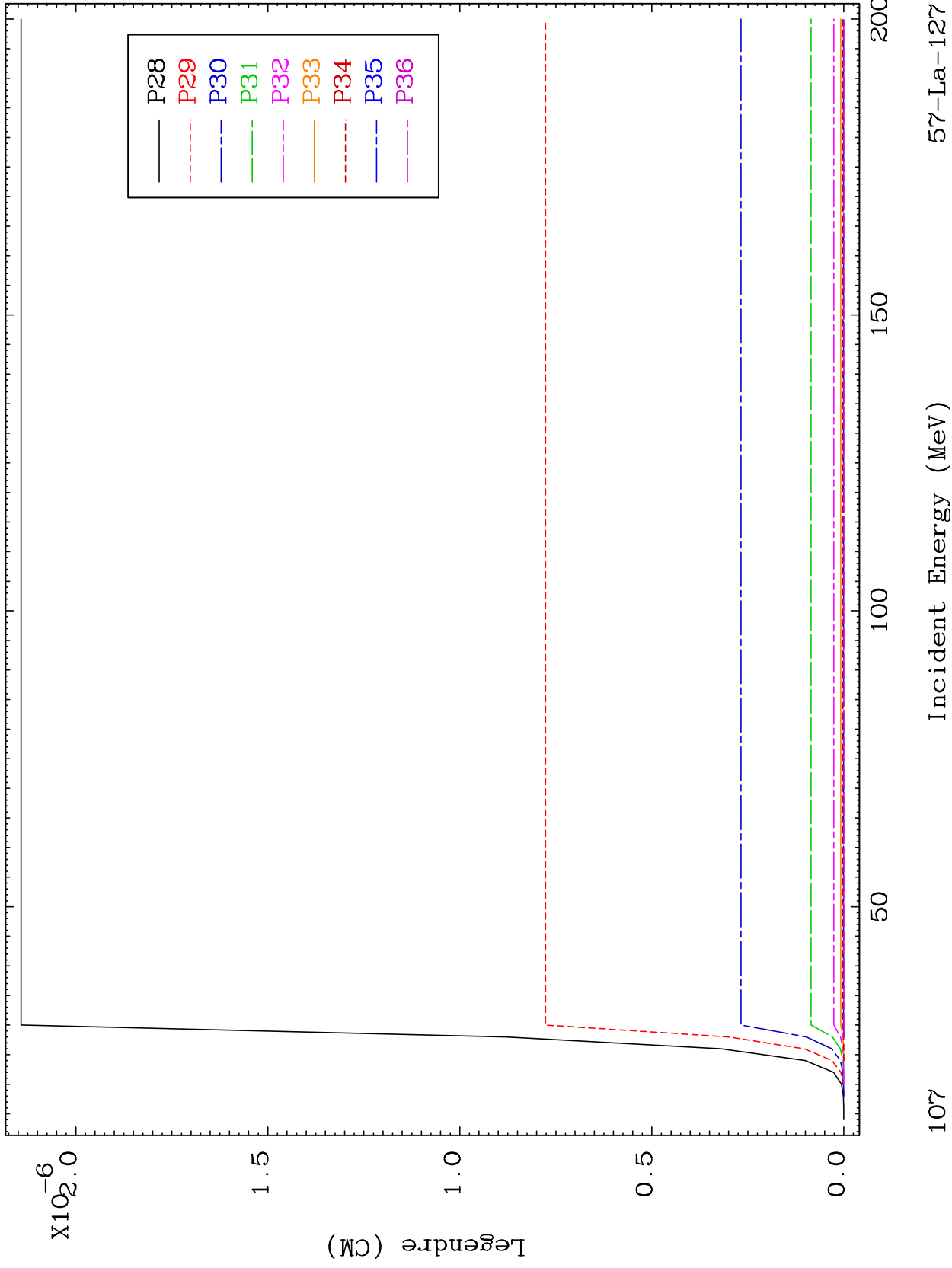
57-La-127



MAT 5692

861.5 keV (n,n') Level
Legendre Coefficients

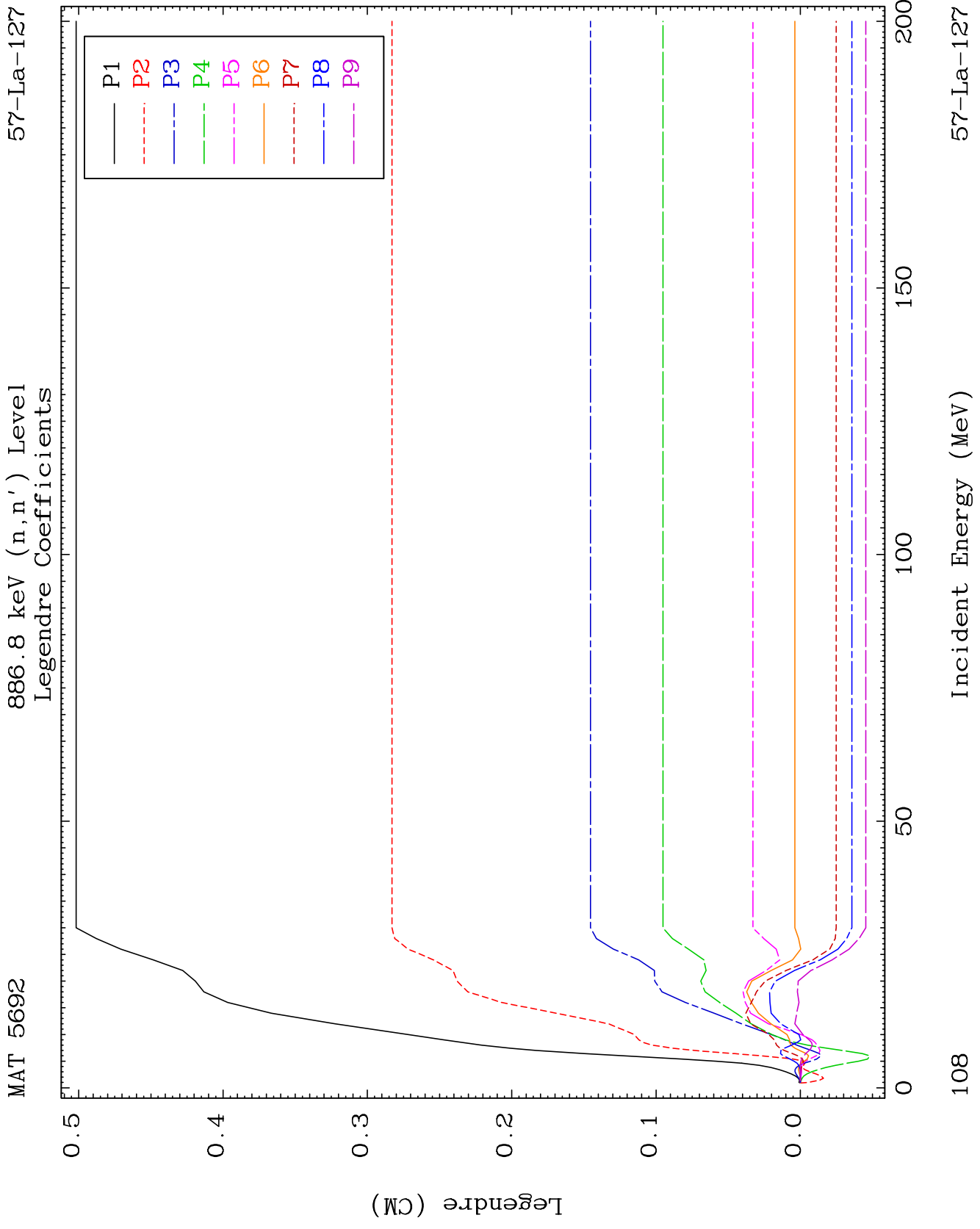
57-La-127

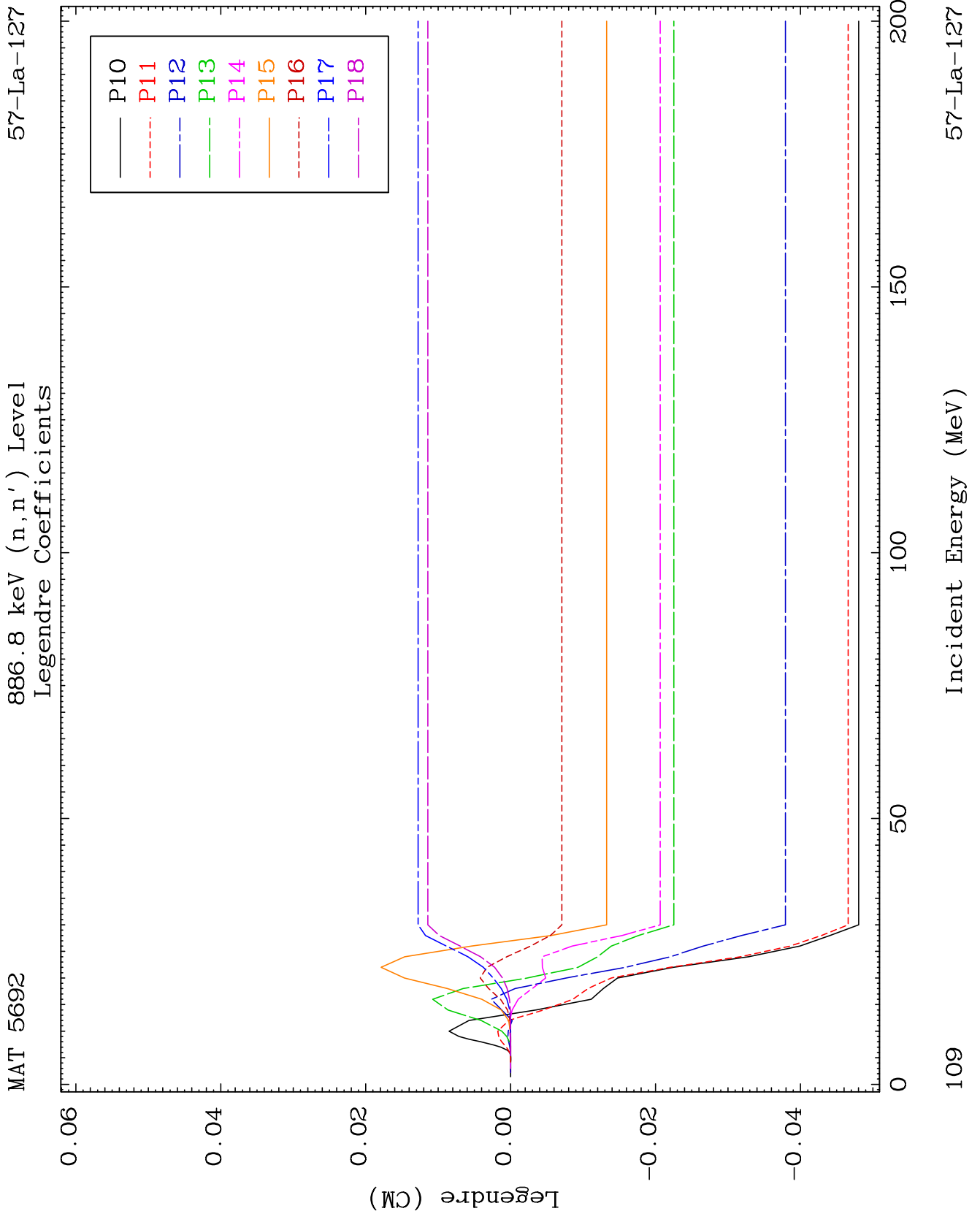


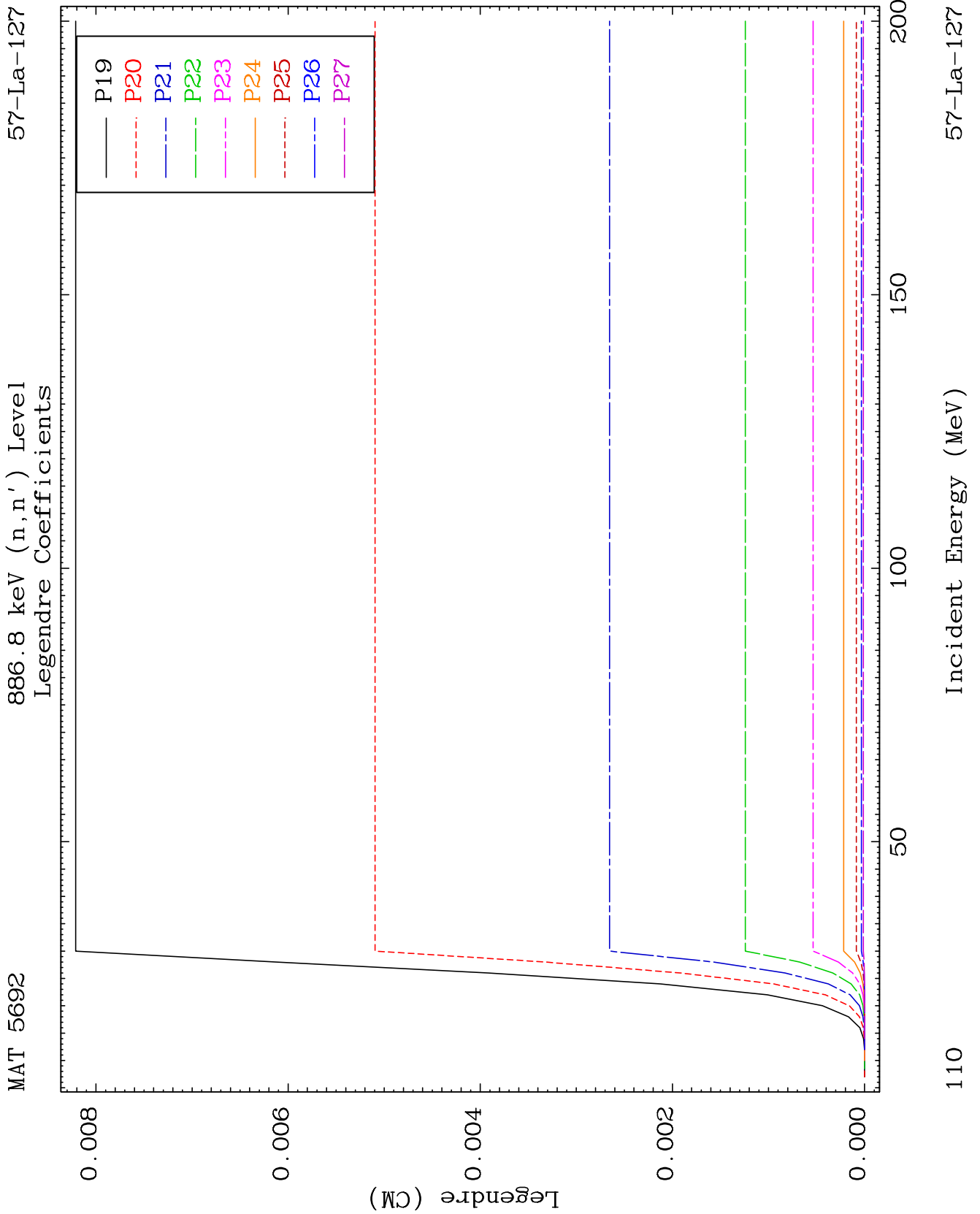
107

Incident Energy (MeV)

57-La-127



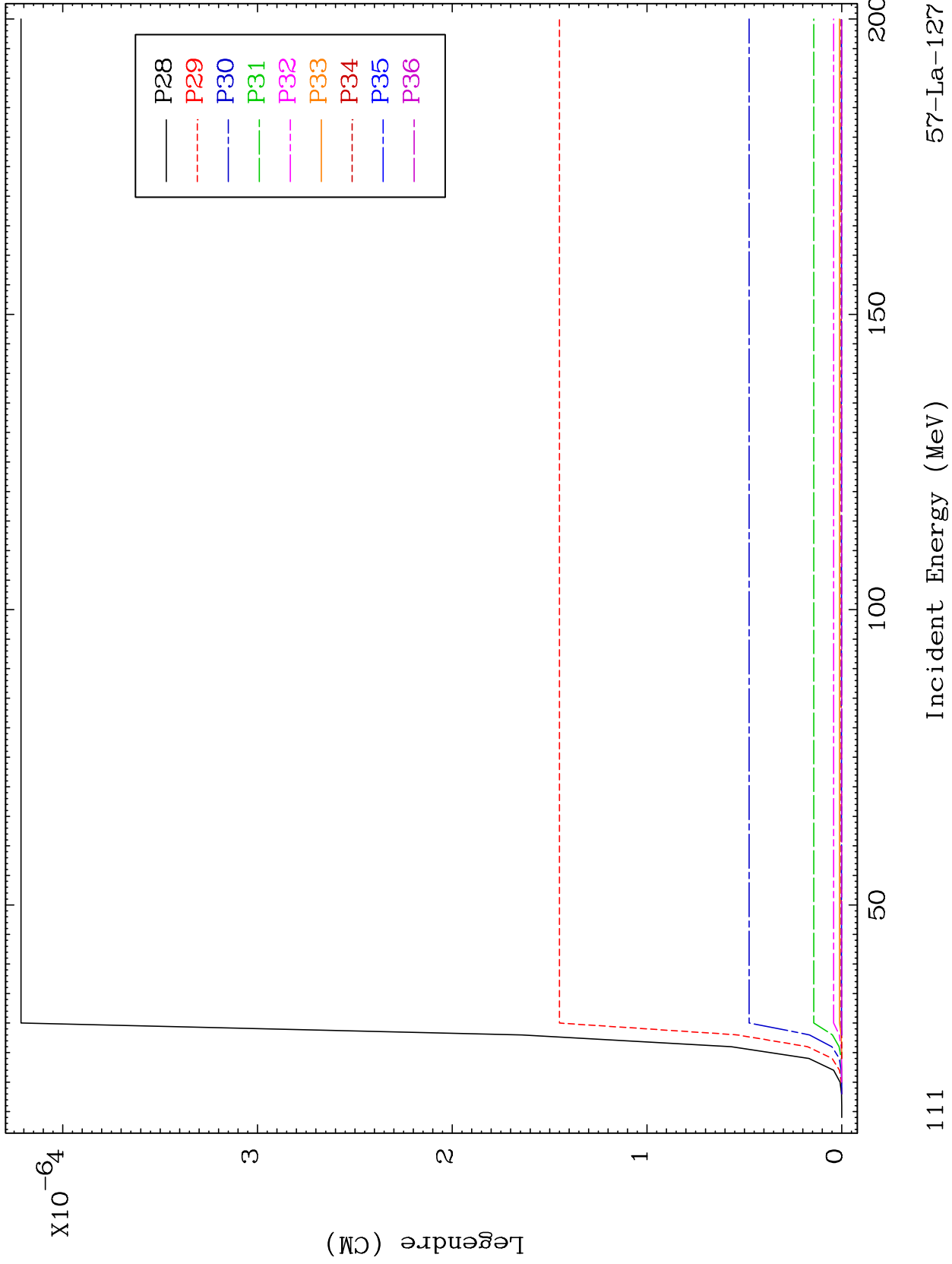




MAT 5692

886.8 keV (n,n') Level
Legendre Coefficients

57-La-127

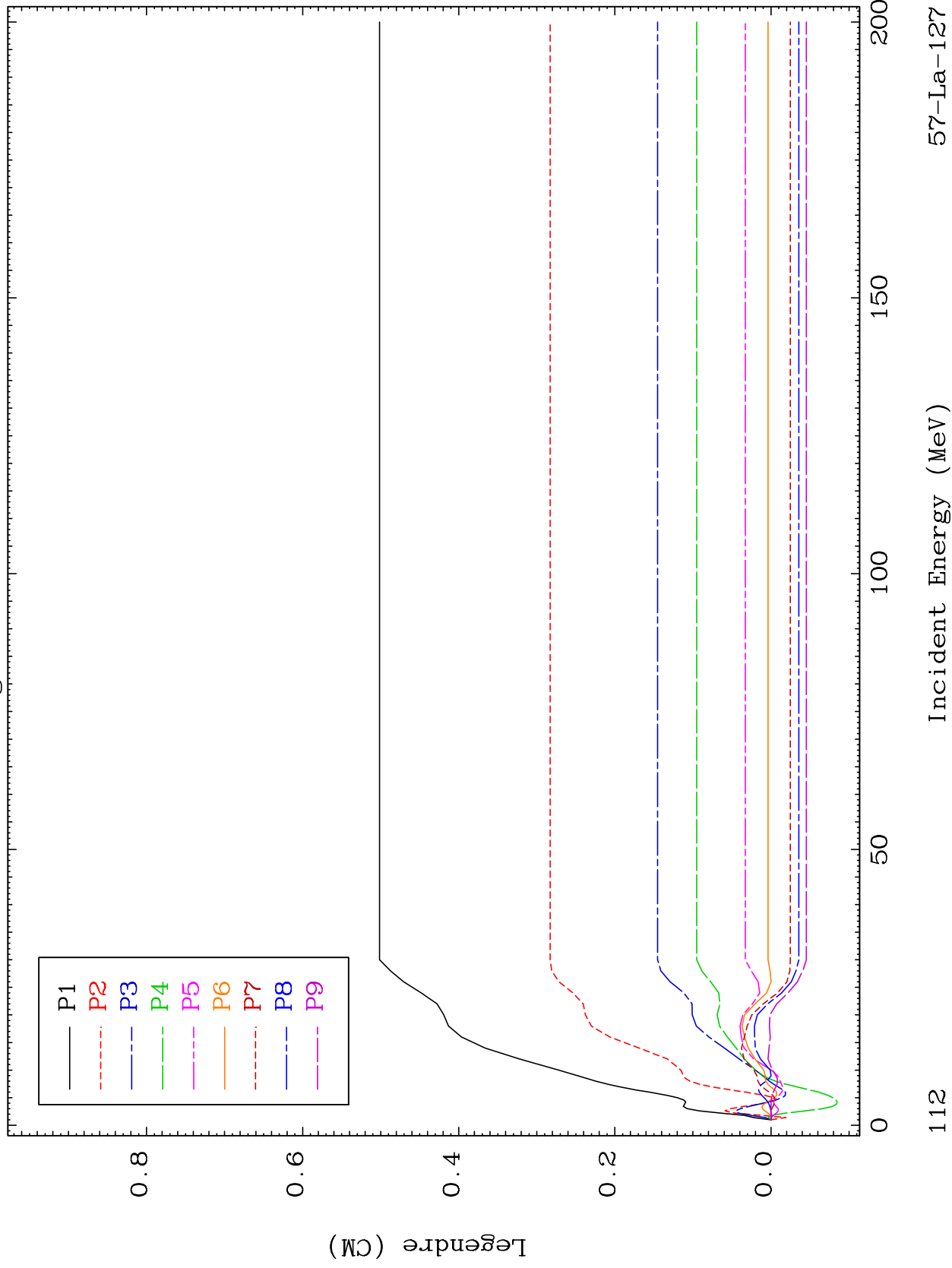


111

MAT 5692

928.3 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

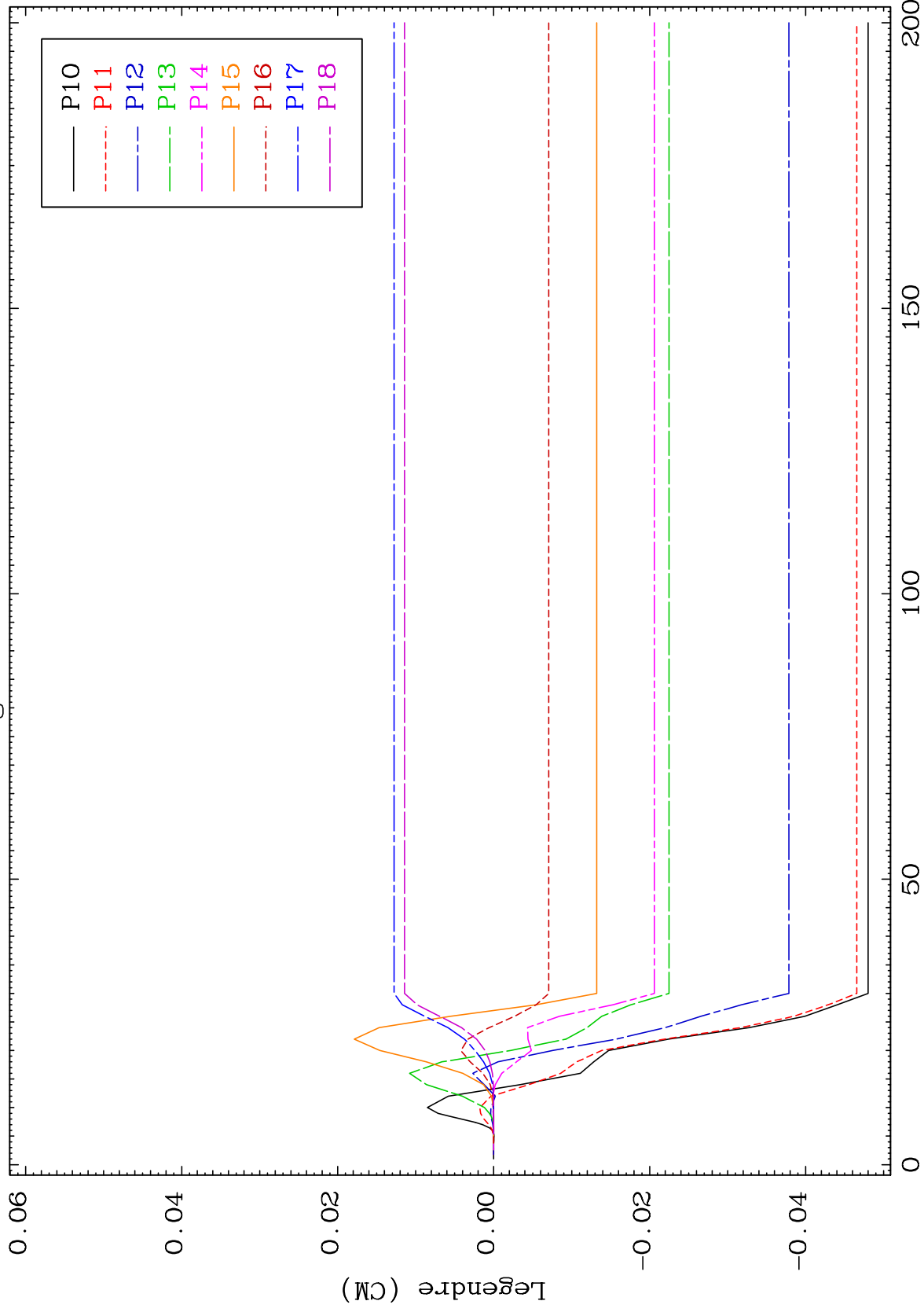
Incident Energy (MeV)

112

MAT 5692

928.3 keV (n,n') Level
Legendre Coefficients

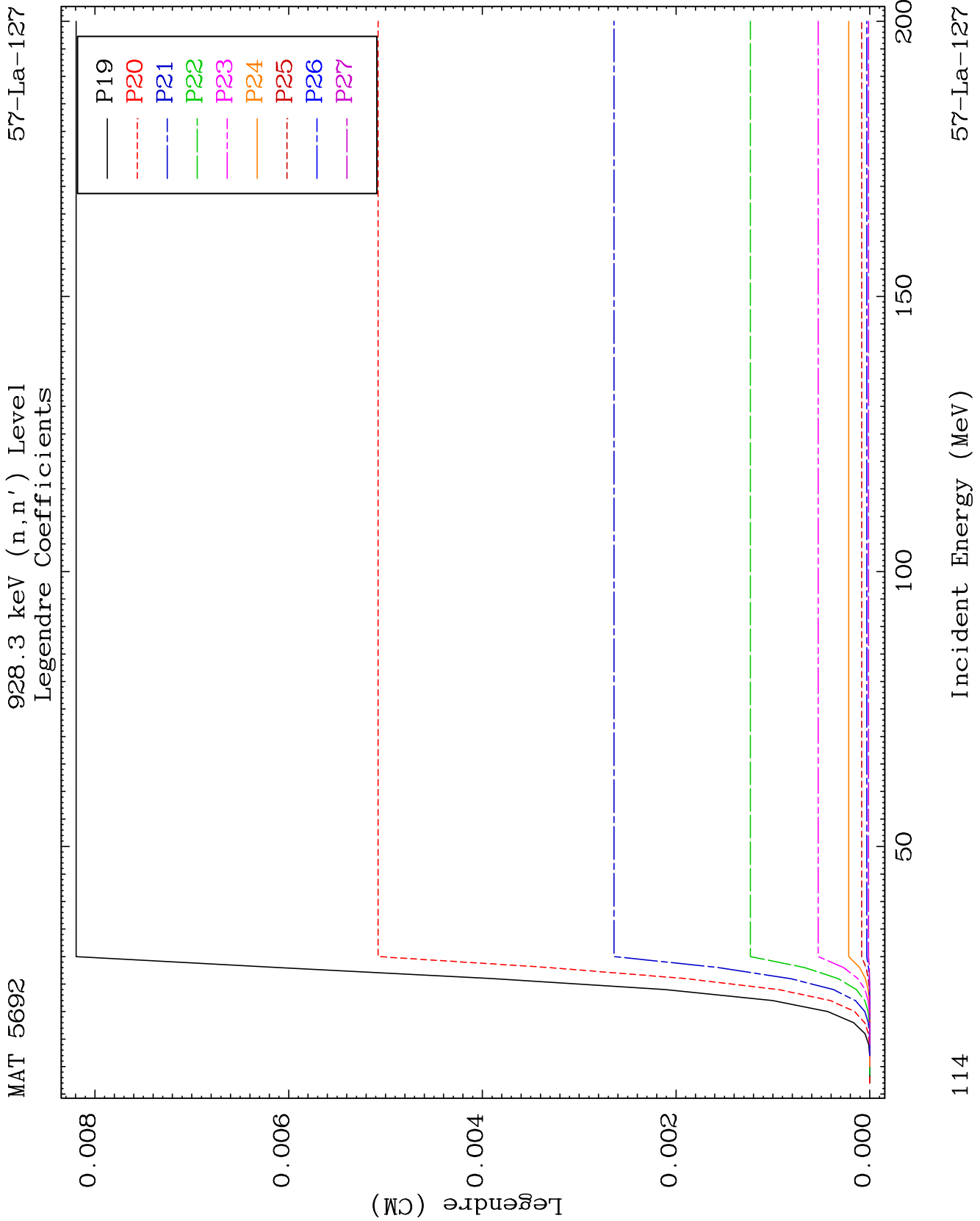
57-La-127



113

Incident Energy (MeV)

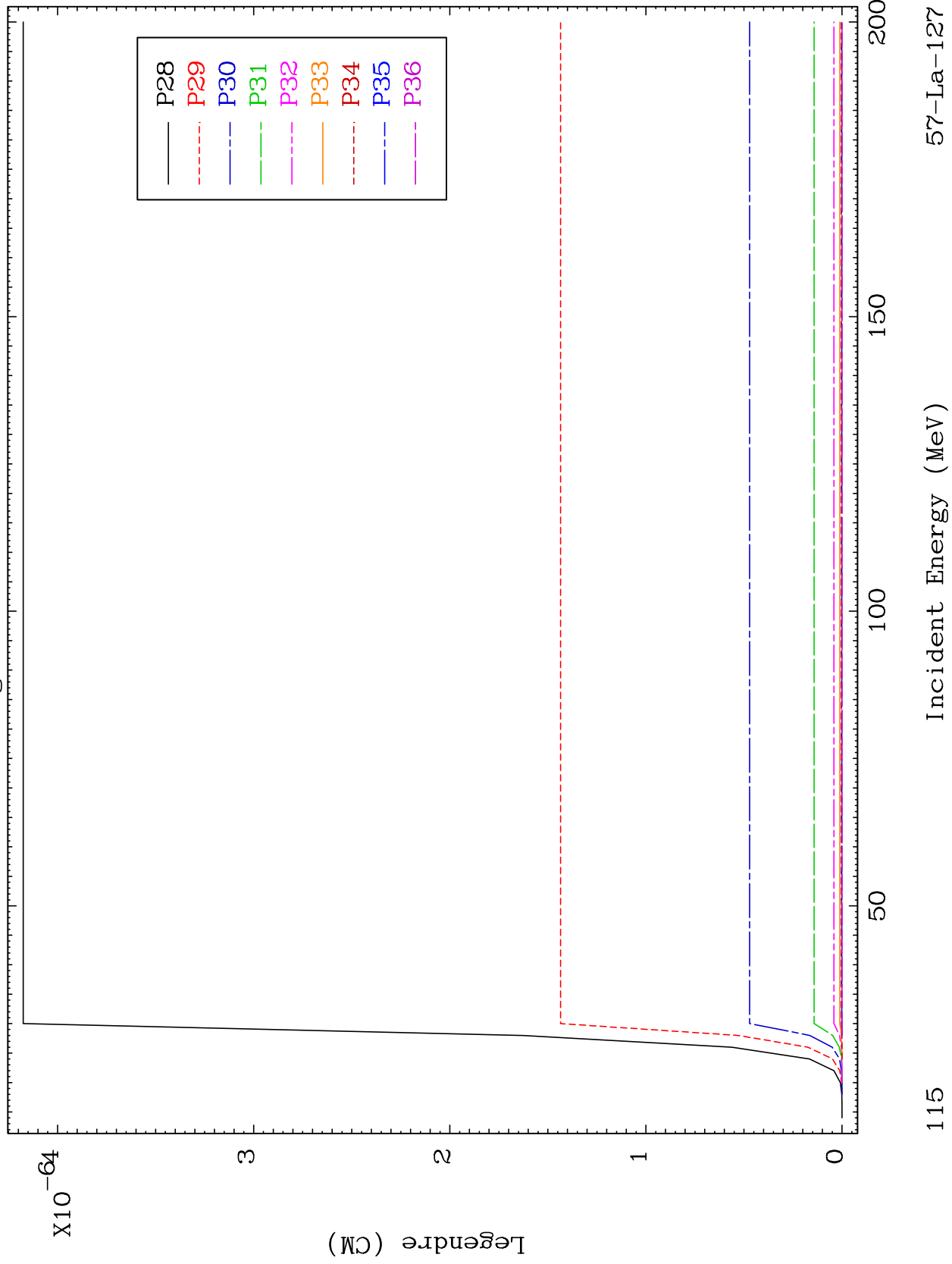
57-La-127

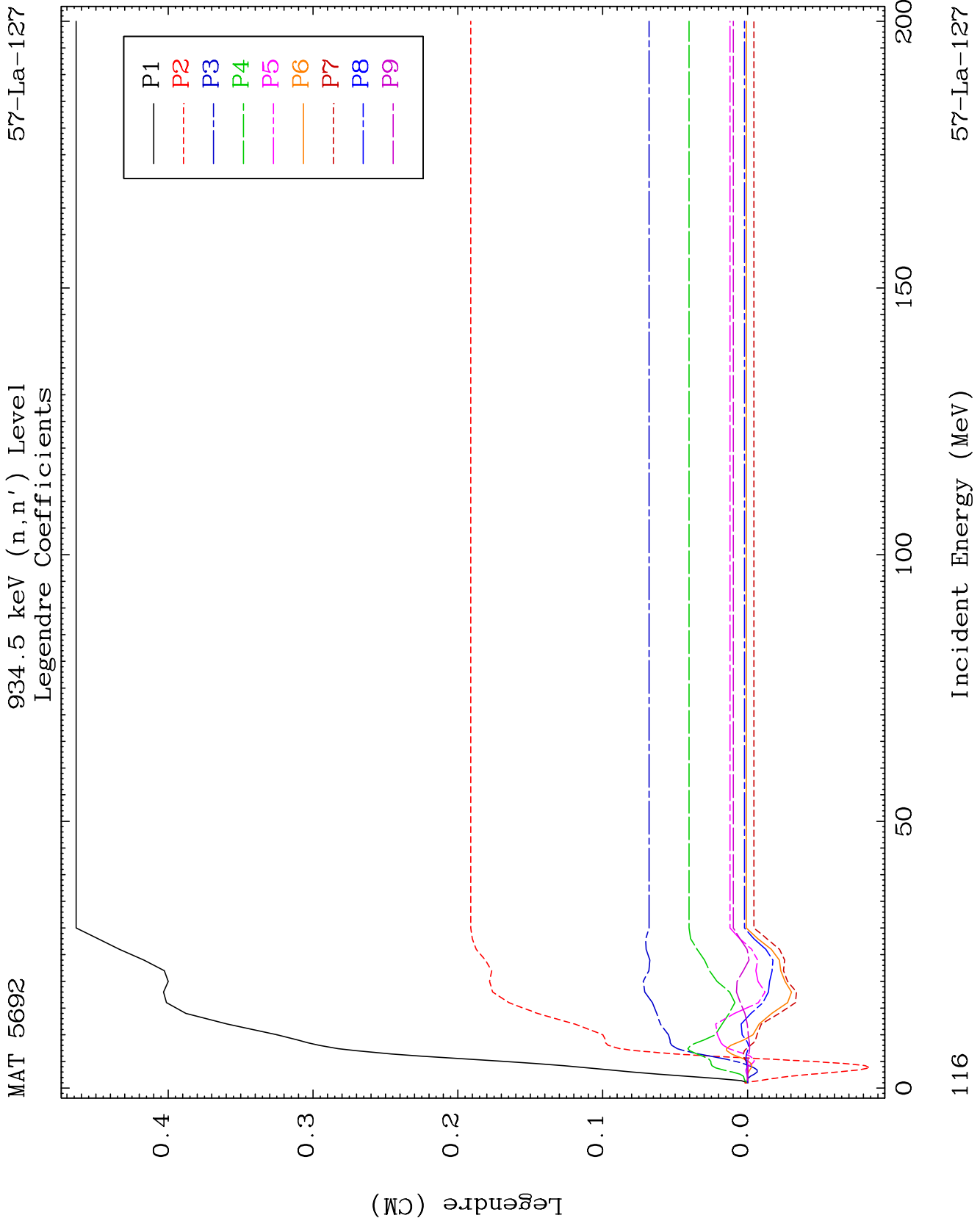


MAT 5692

928.3 keV (n,n') Level
Legendre Coefficients

57-La-127

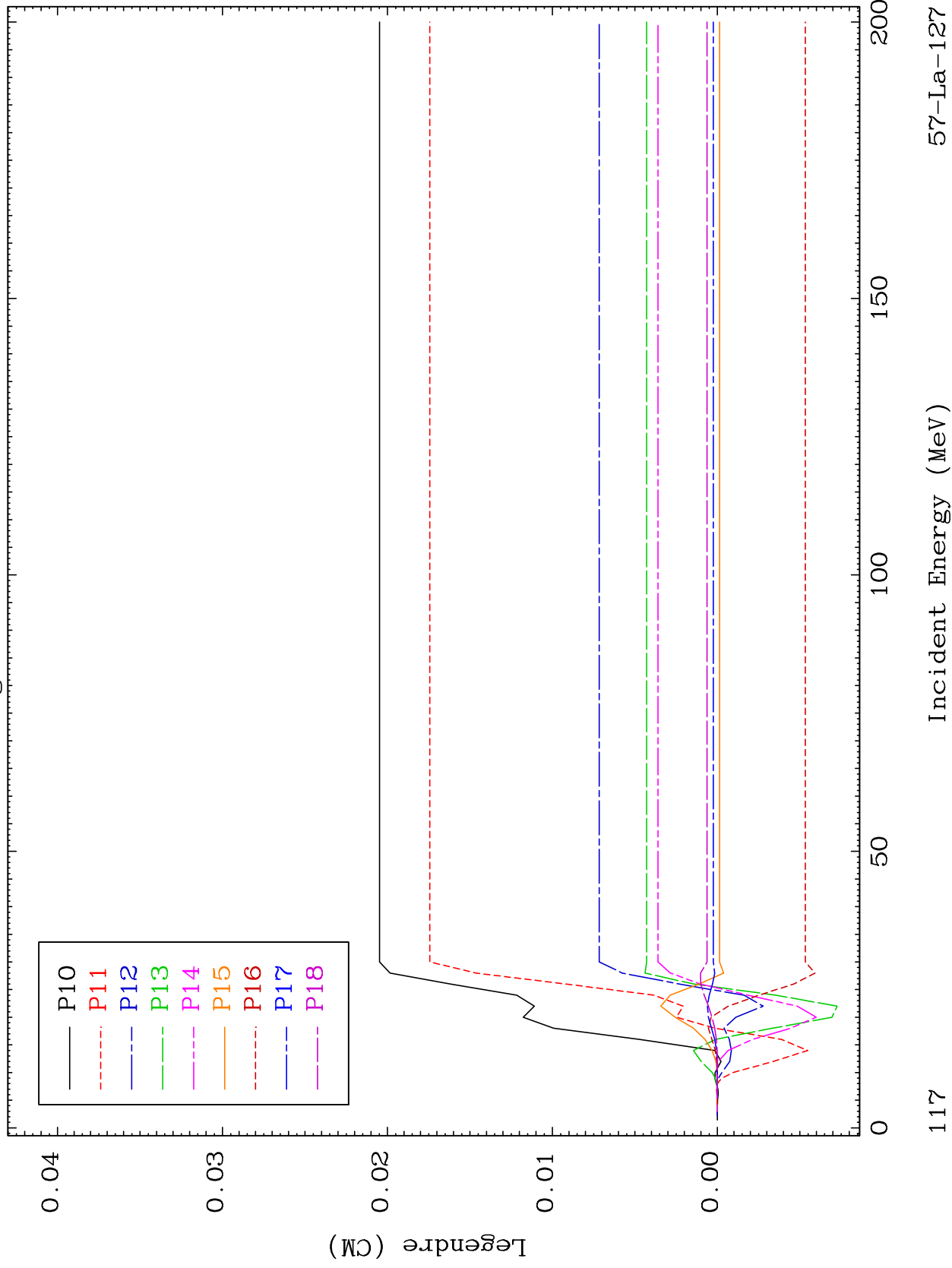




MAT 5692

934.5 keV (n,n') Level
Legendre Coefficients

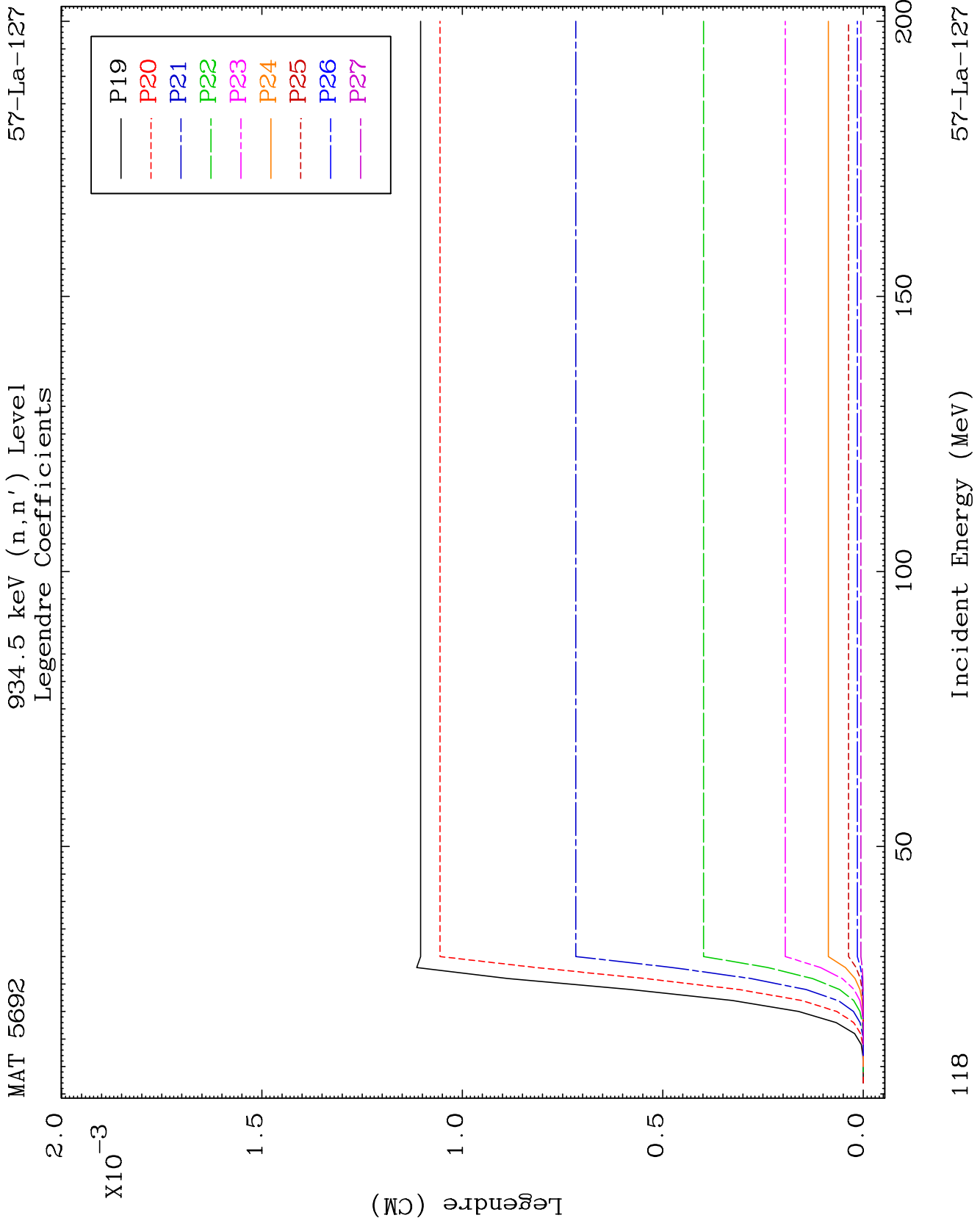
57-La-127



117

Incident Energy (MeV)

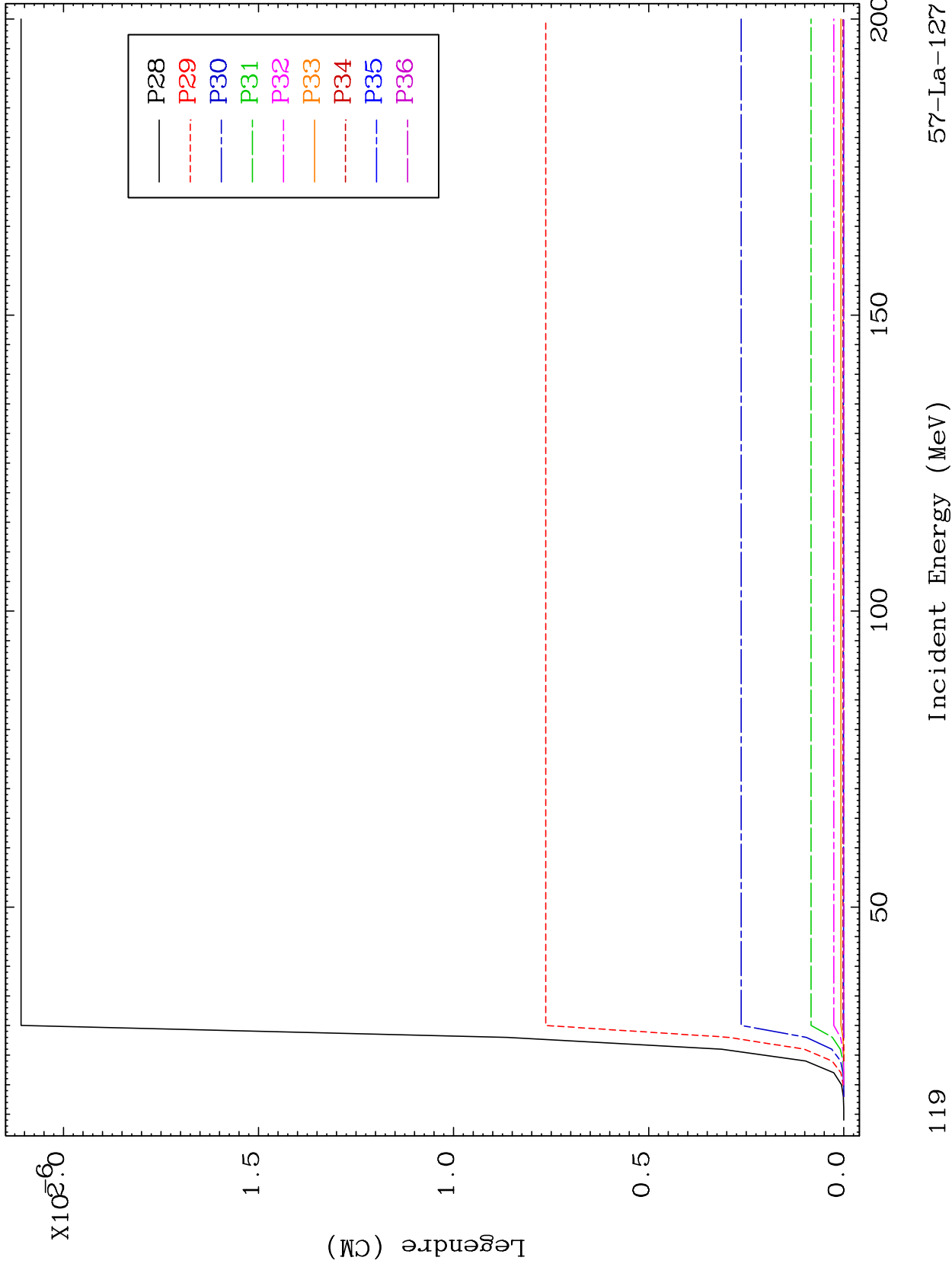
57-La-127



MAT 5692

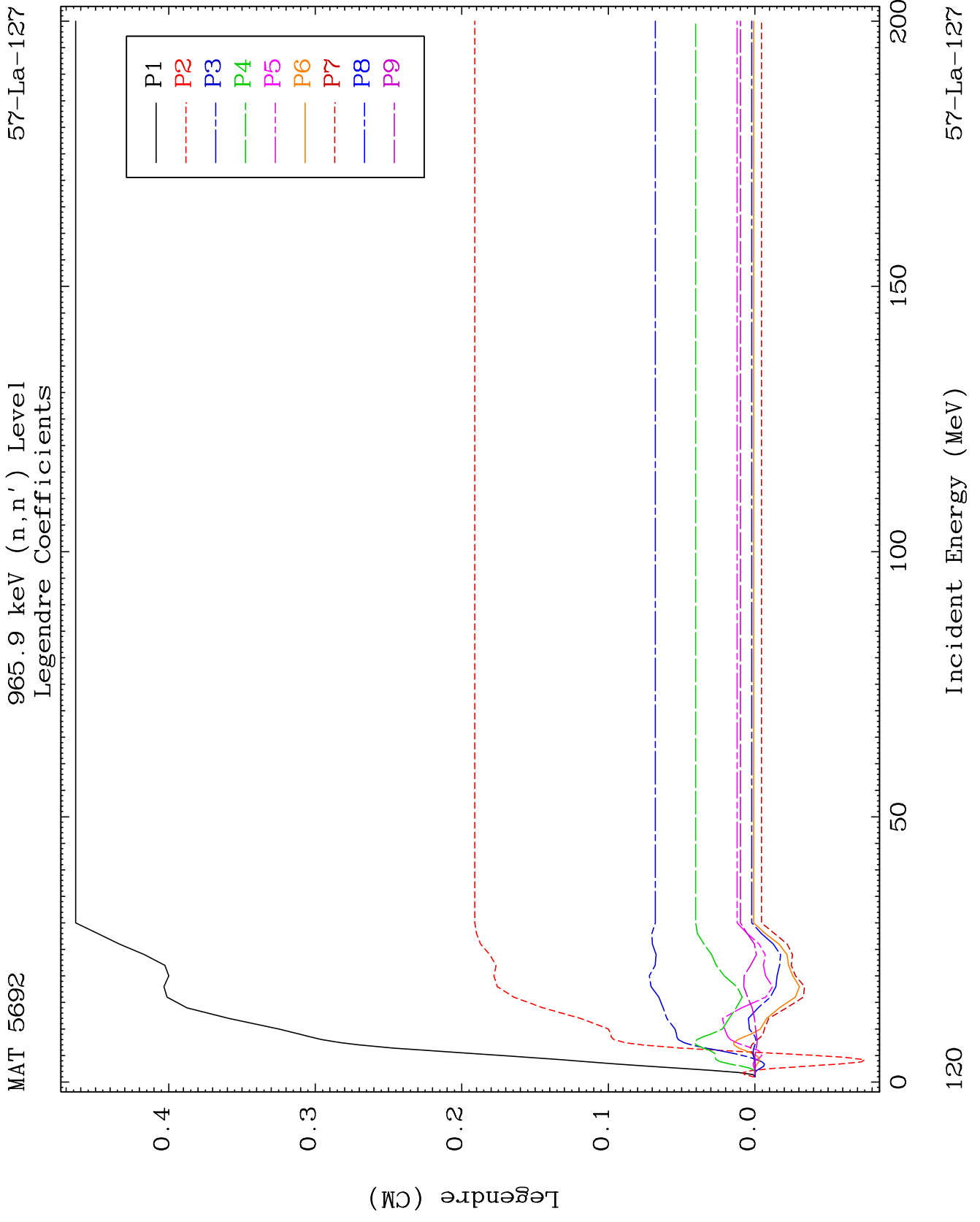
934.5 keV (n, n') Level
Legendre Coefficients

57-La-127



119

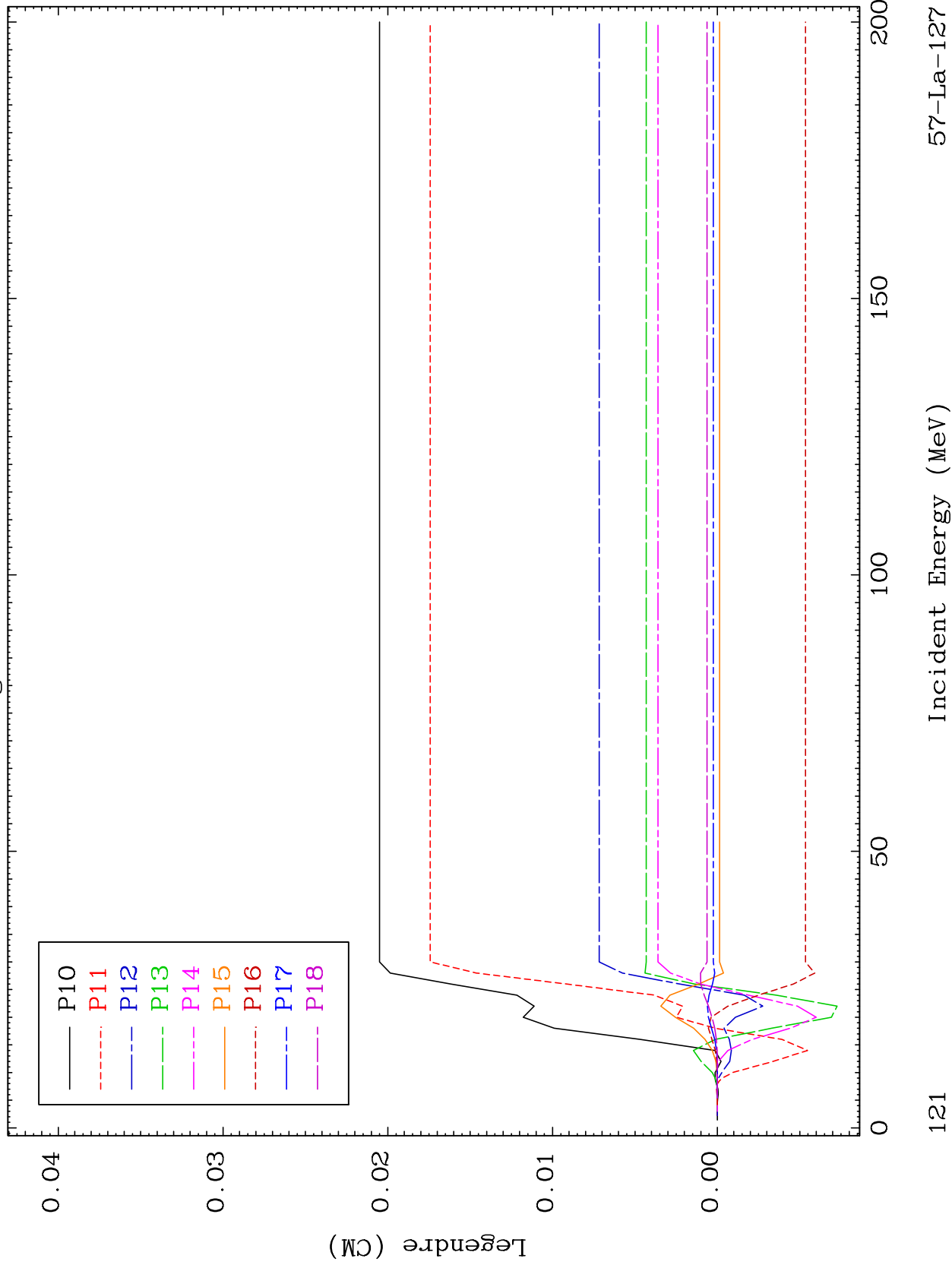
57-La-127



MAT 5692

965.9 keV (n,n') Level
Legendre Coefficients

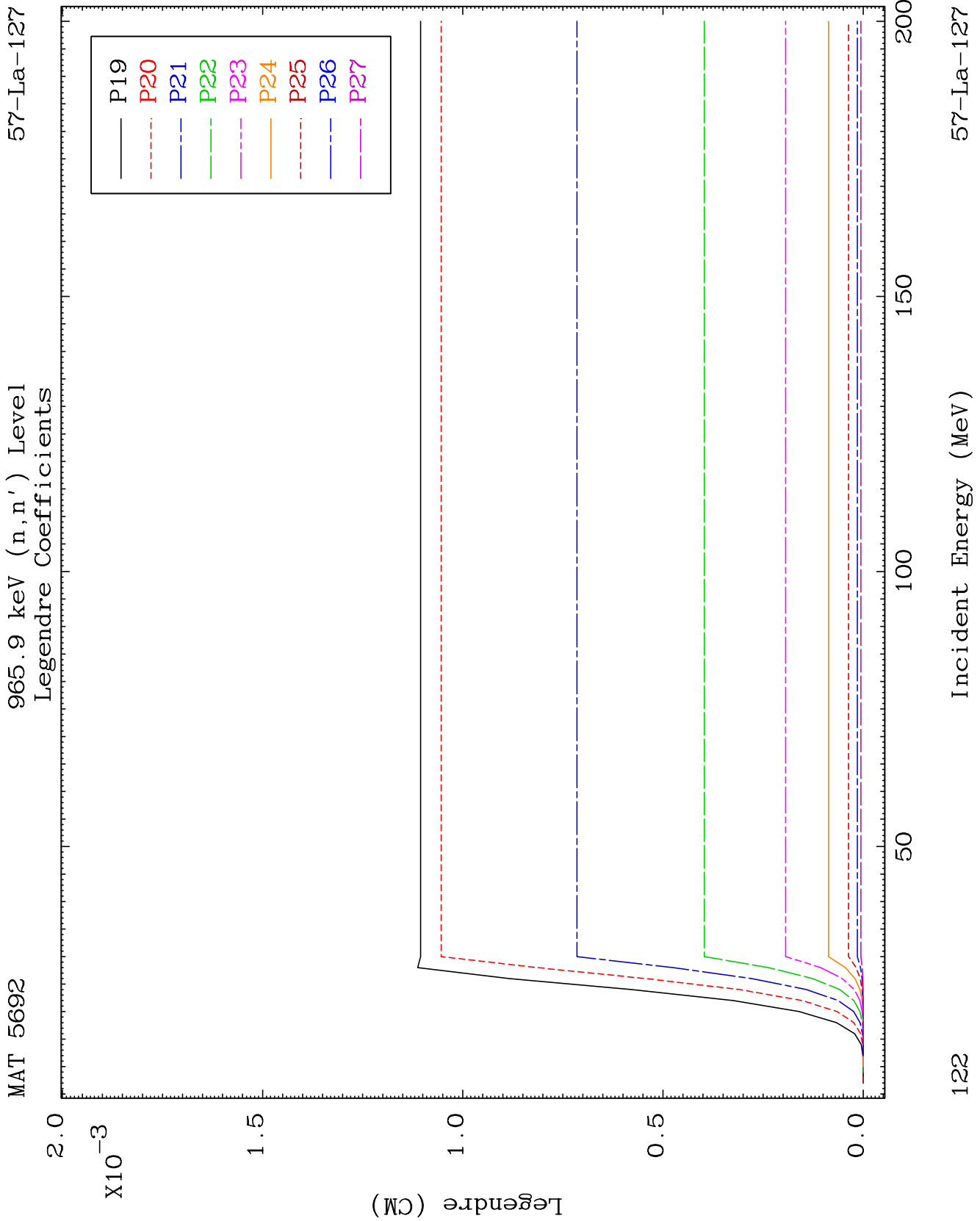
57-La-127

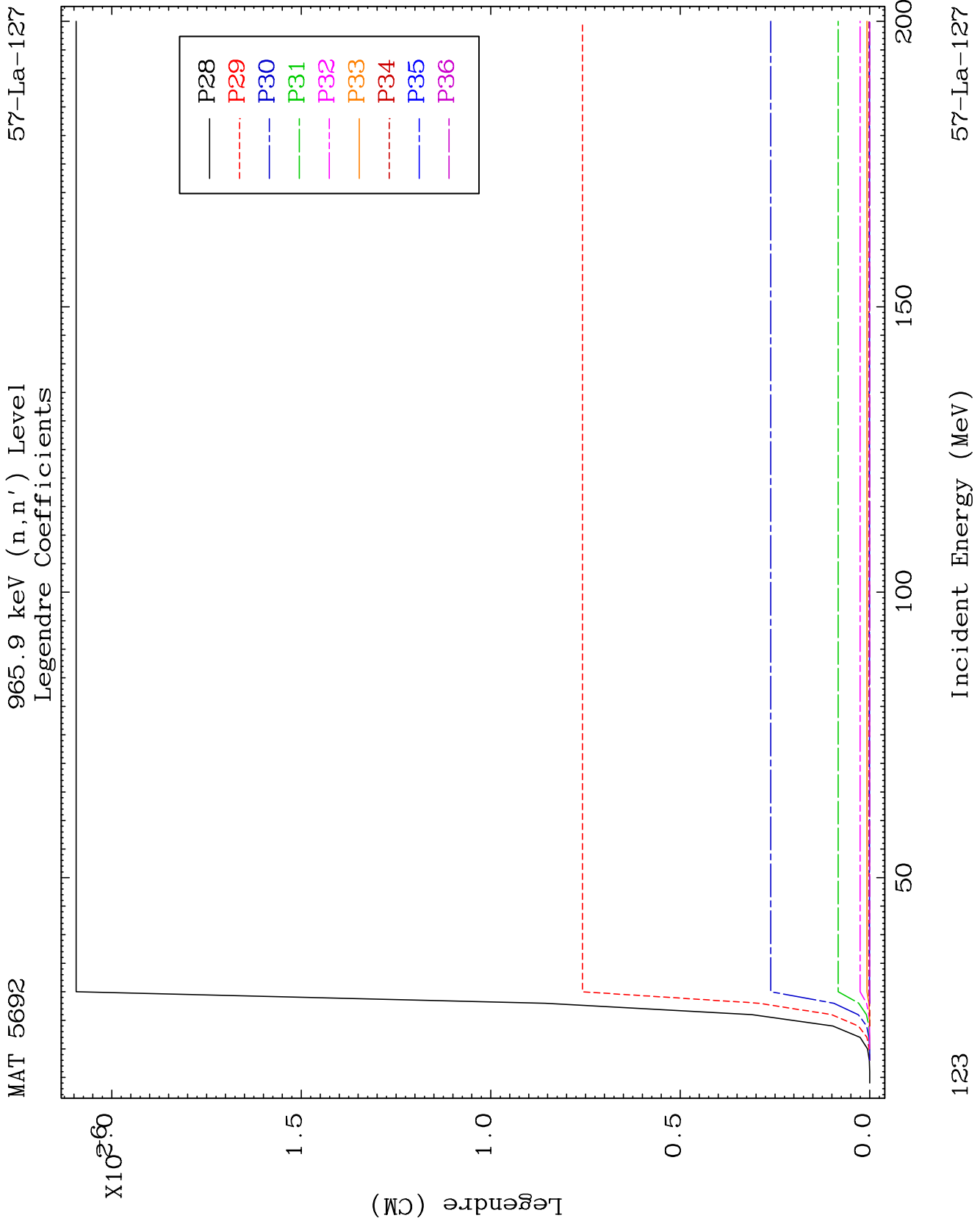


57-La-127

Incident Energy (MeV)

121

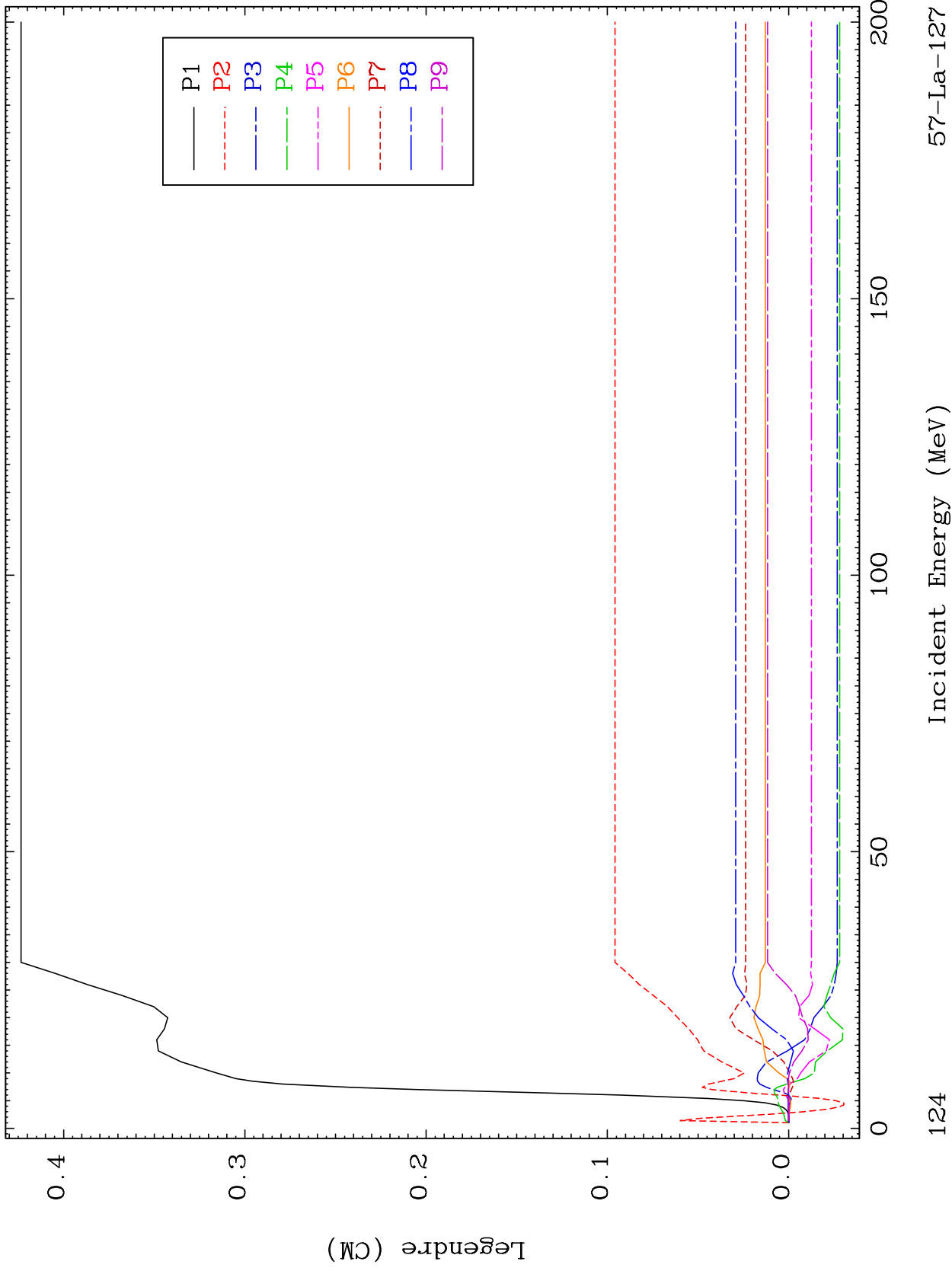




MAT 5692

999.1 keV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

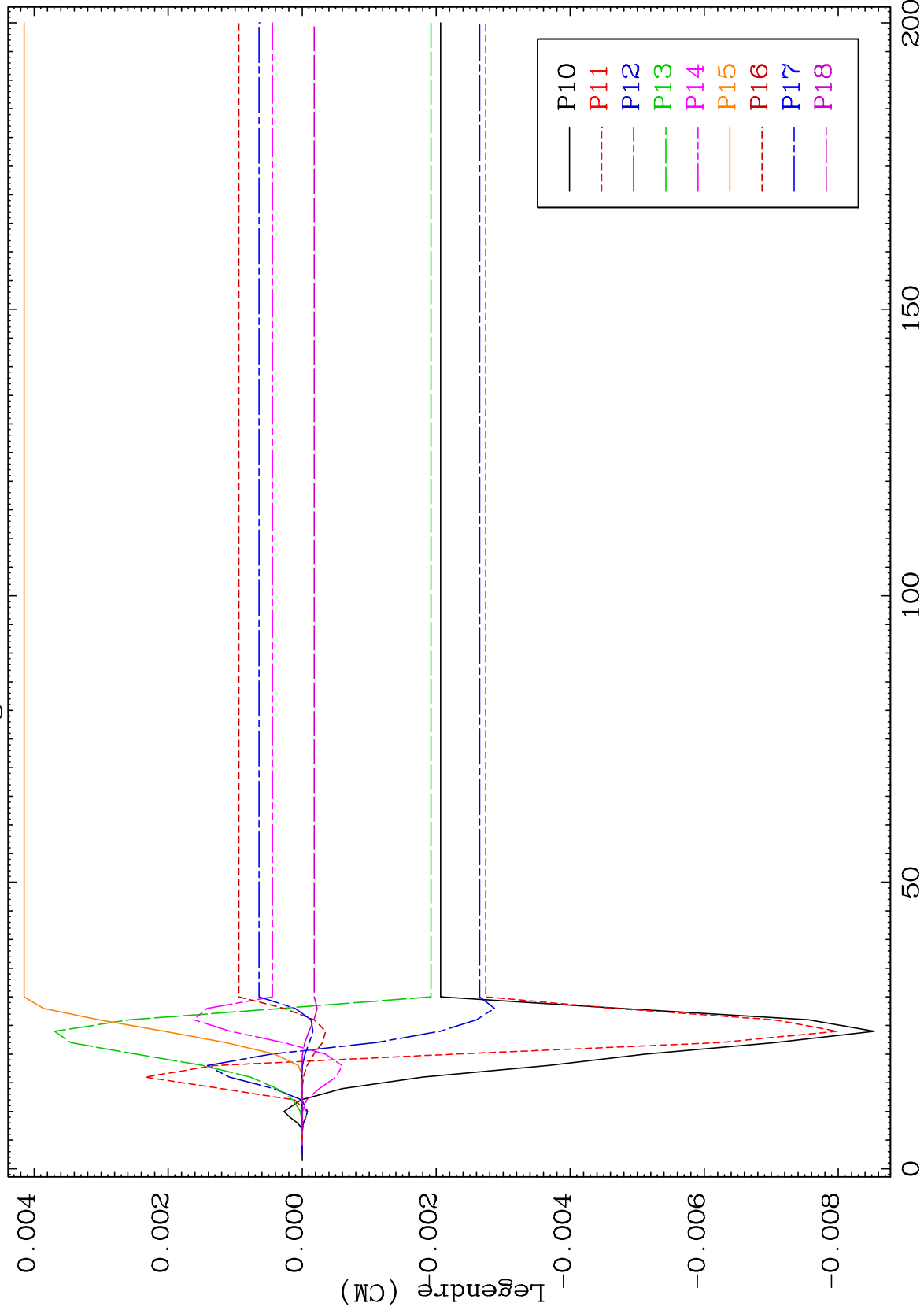
Incident Energy (MeV)

124

MAT 5692

999.1 keV (n,n') Level
Legendre Coefficients

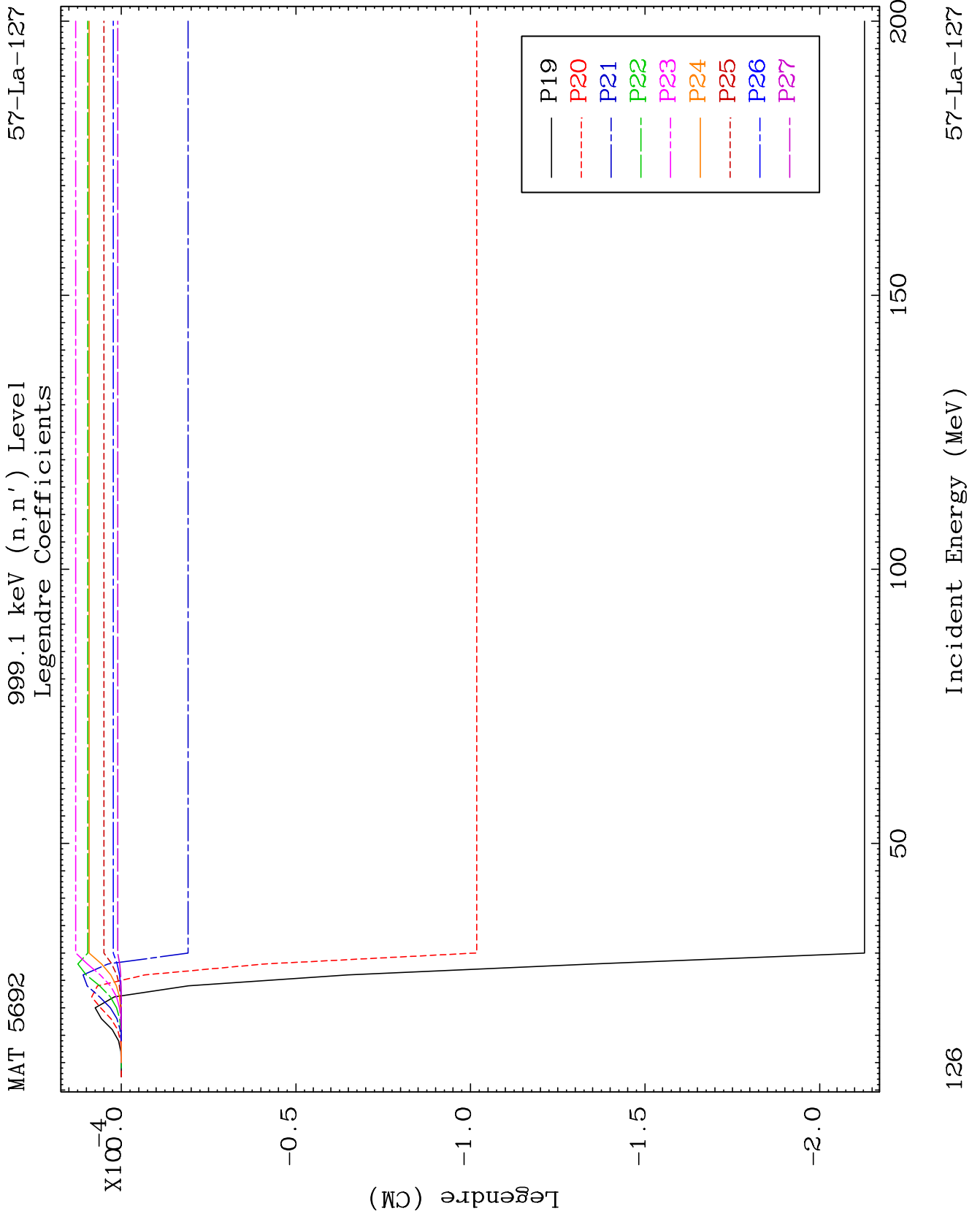
57-La-127

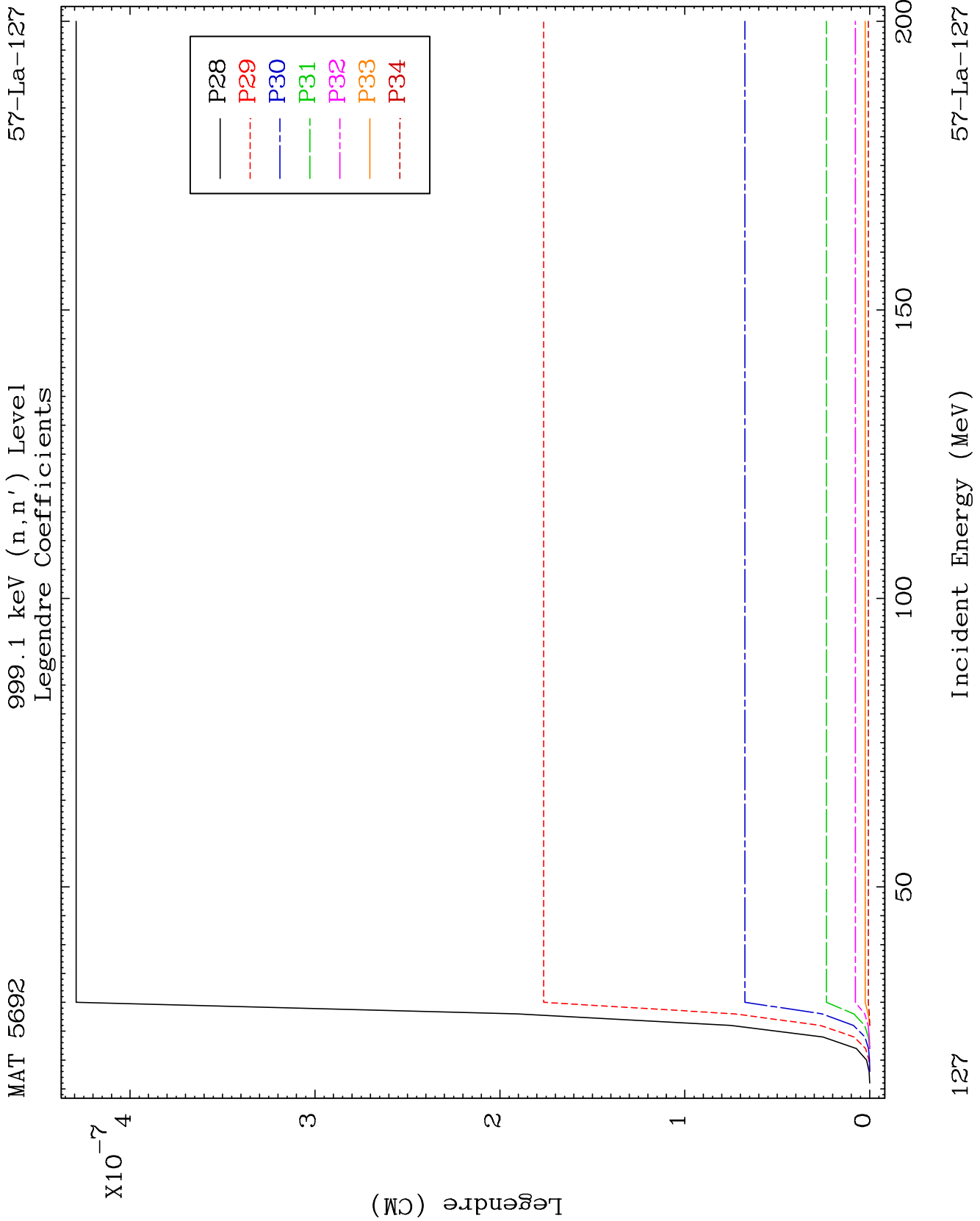


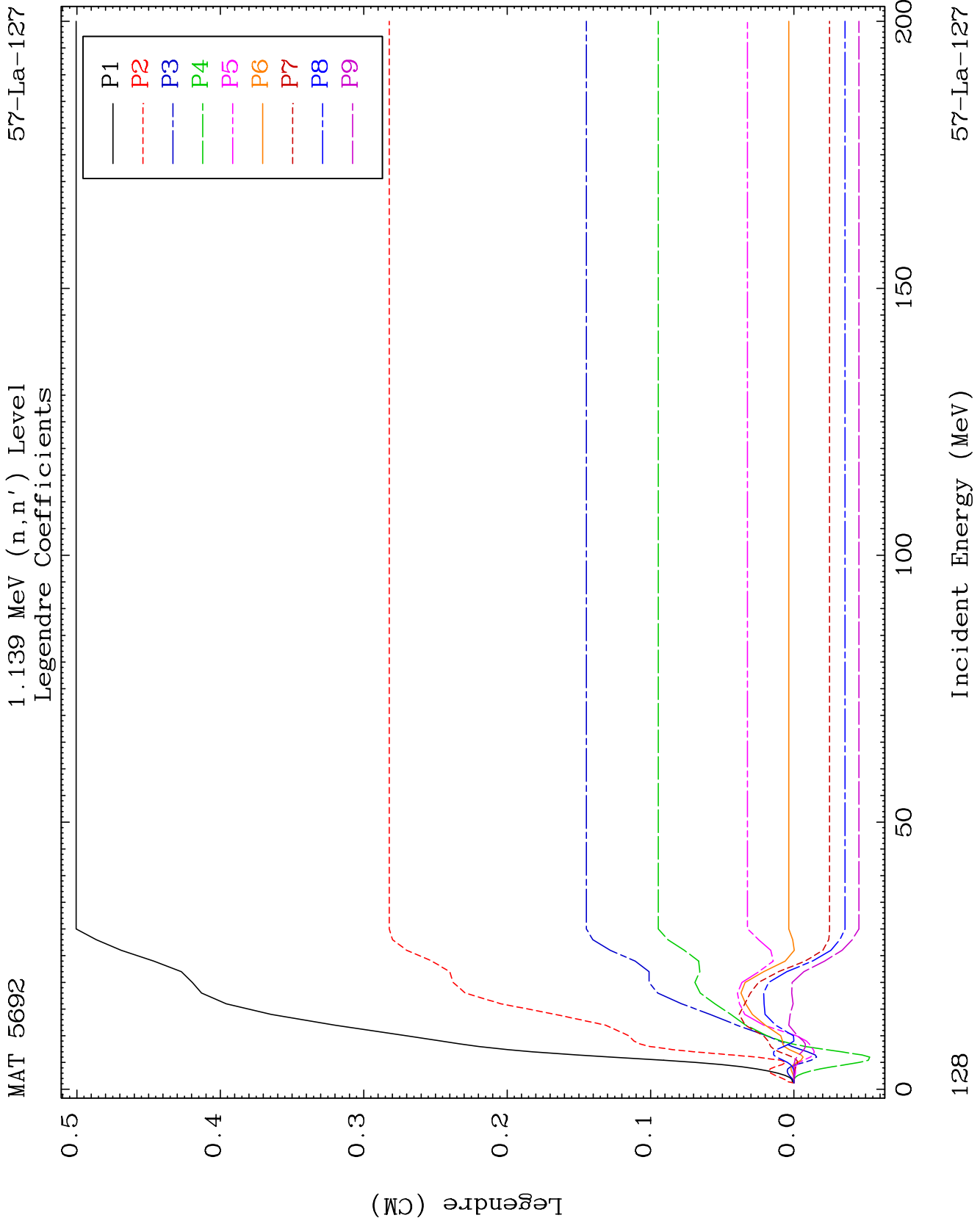
125

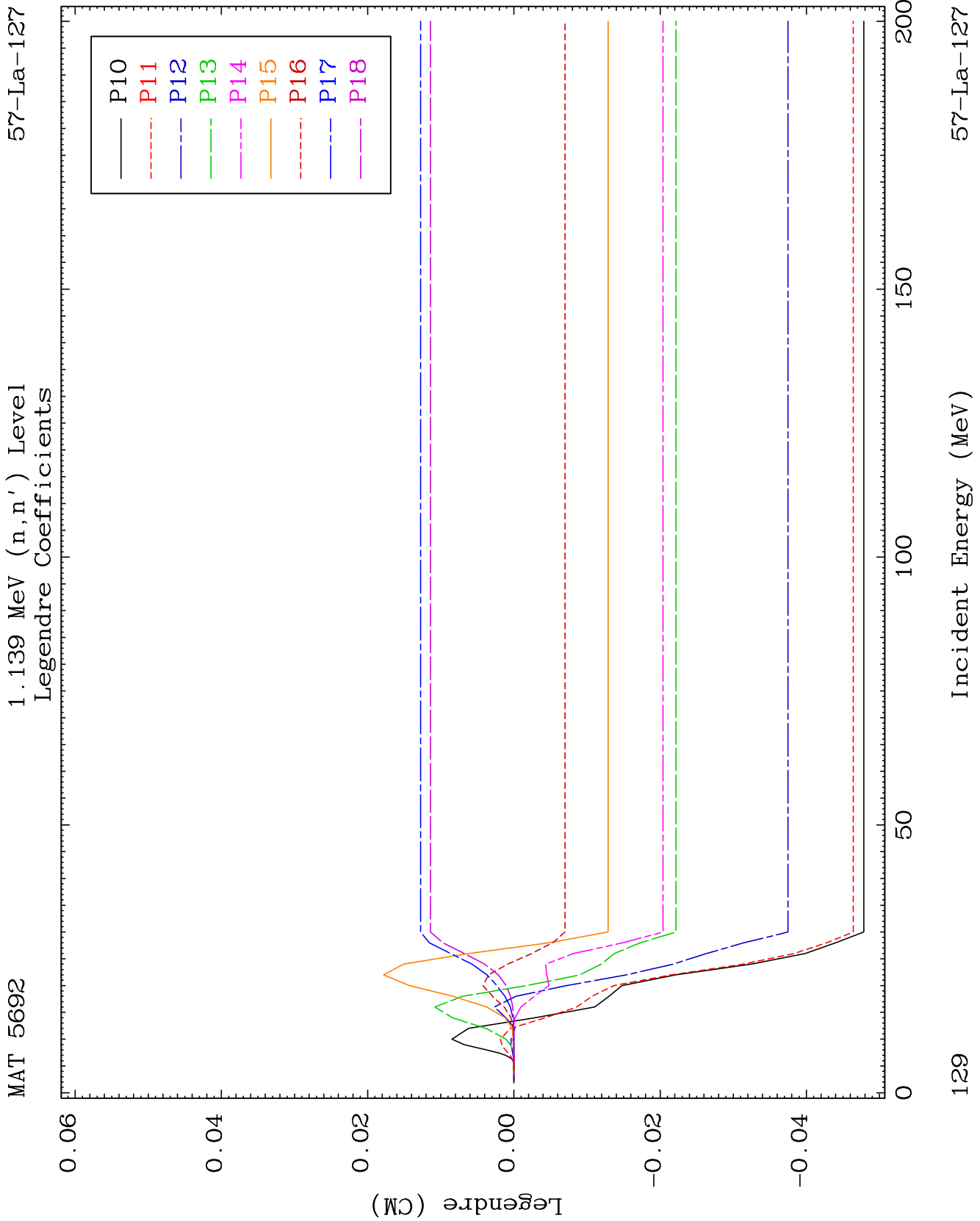
Incident Energy (MeV)

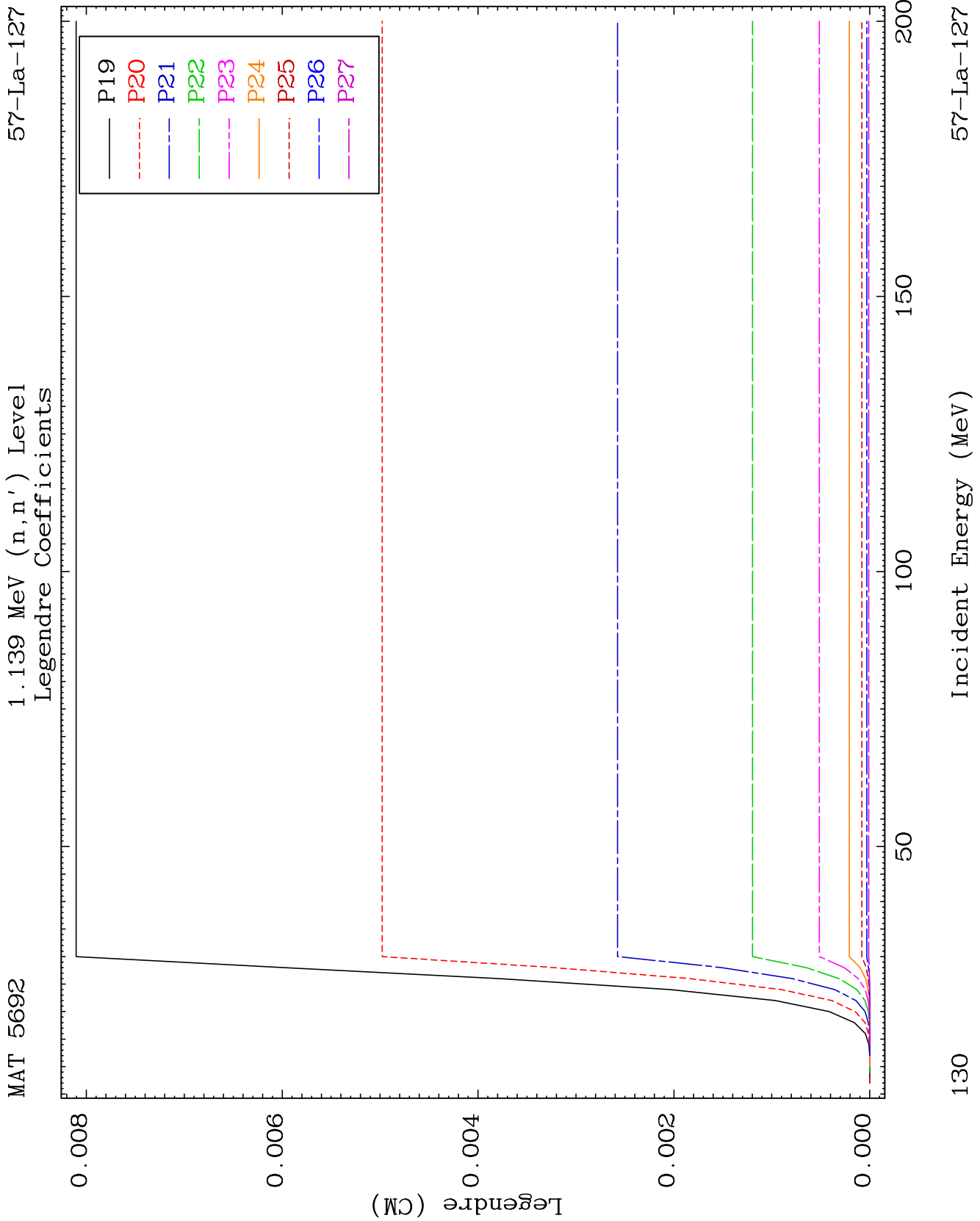
57-La-127

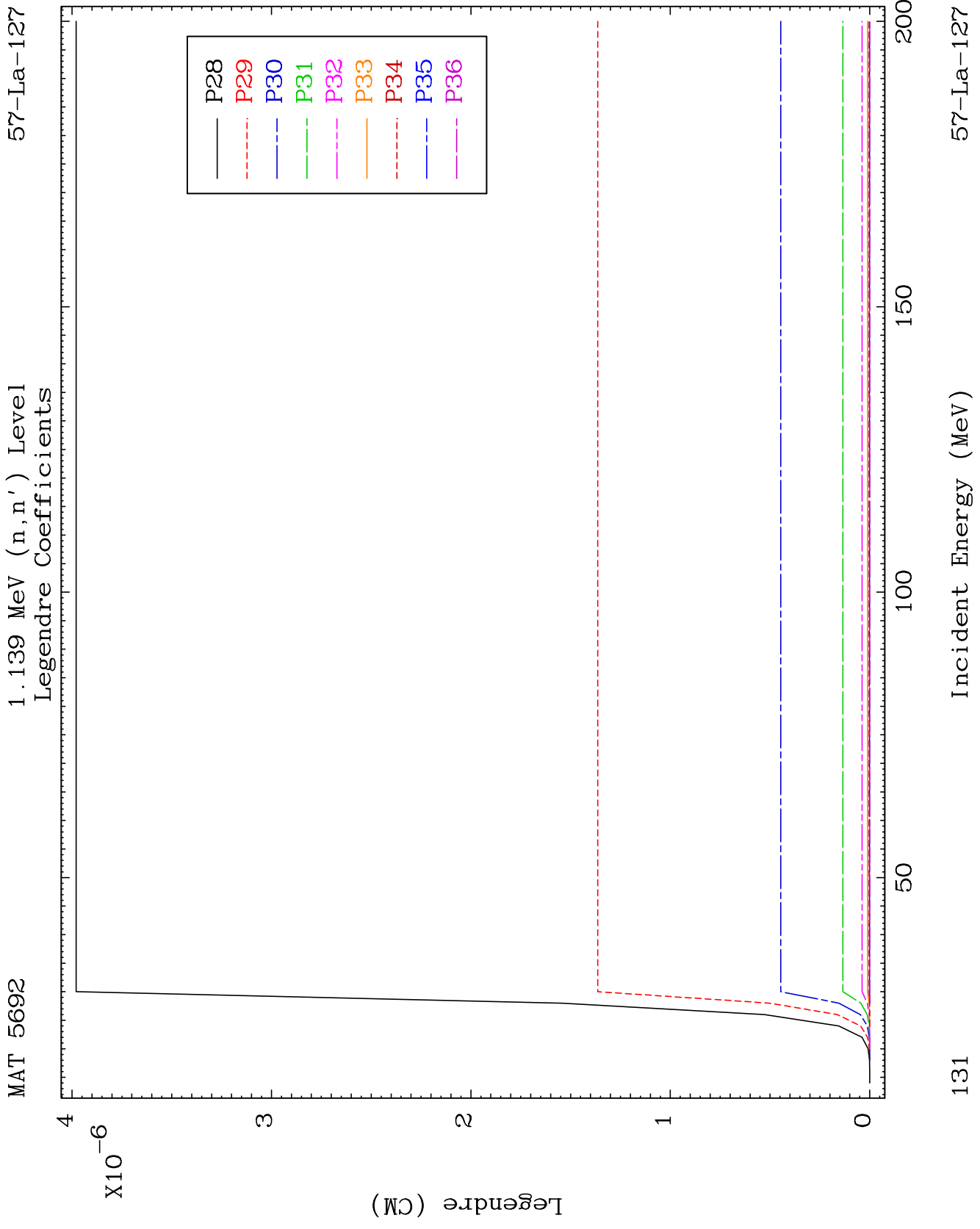








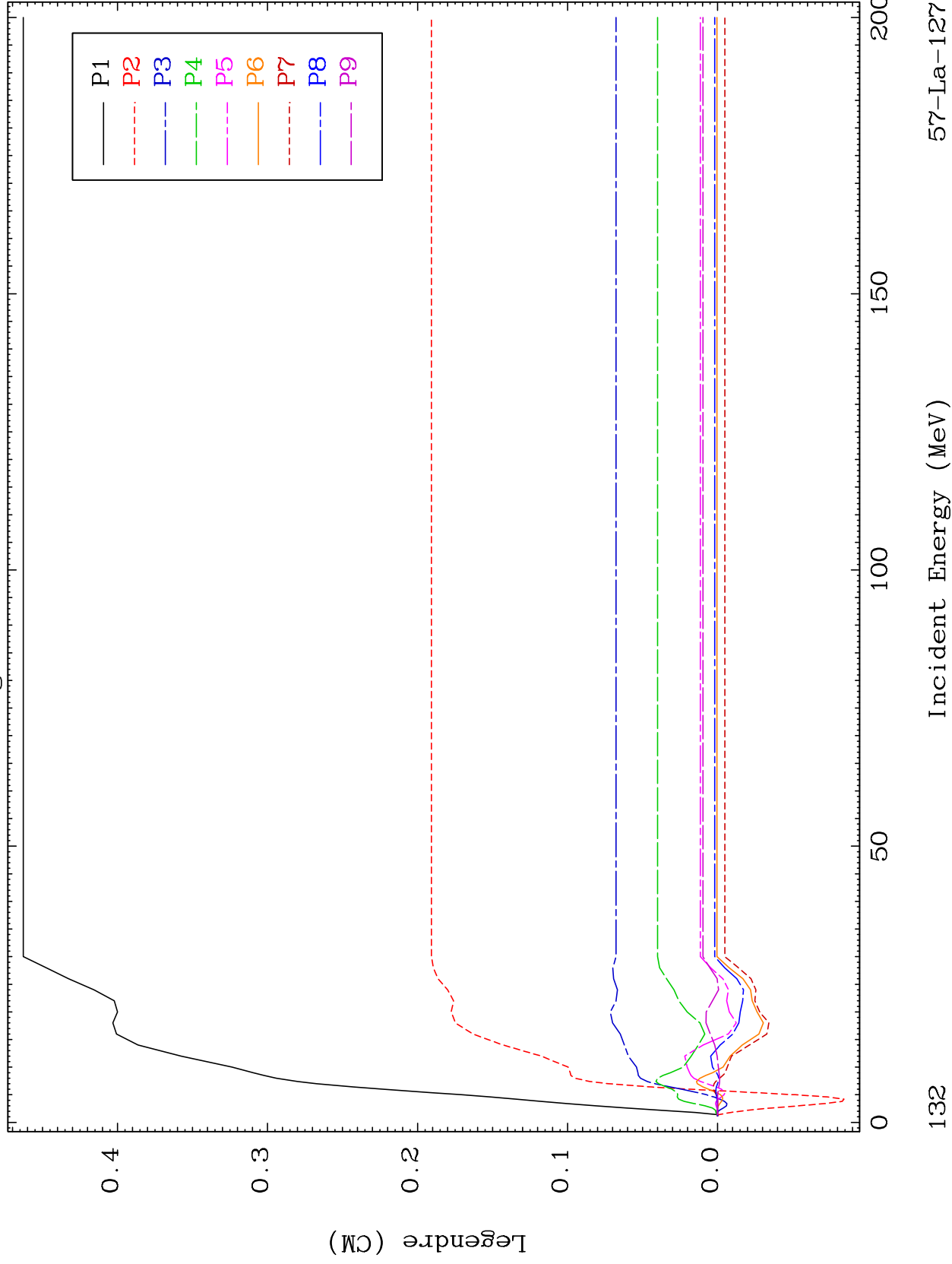




MAT 5692

1.144 MeV (n,n') Level
Legendre Coefficients

57-La-127



57-La-127

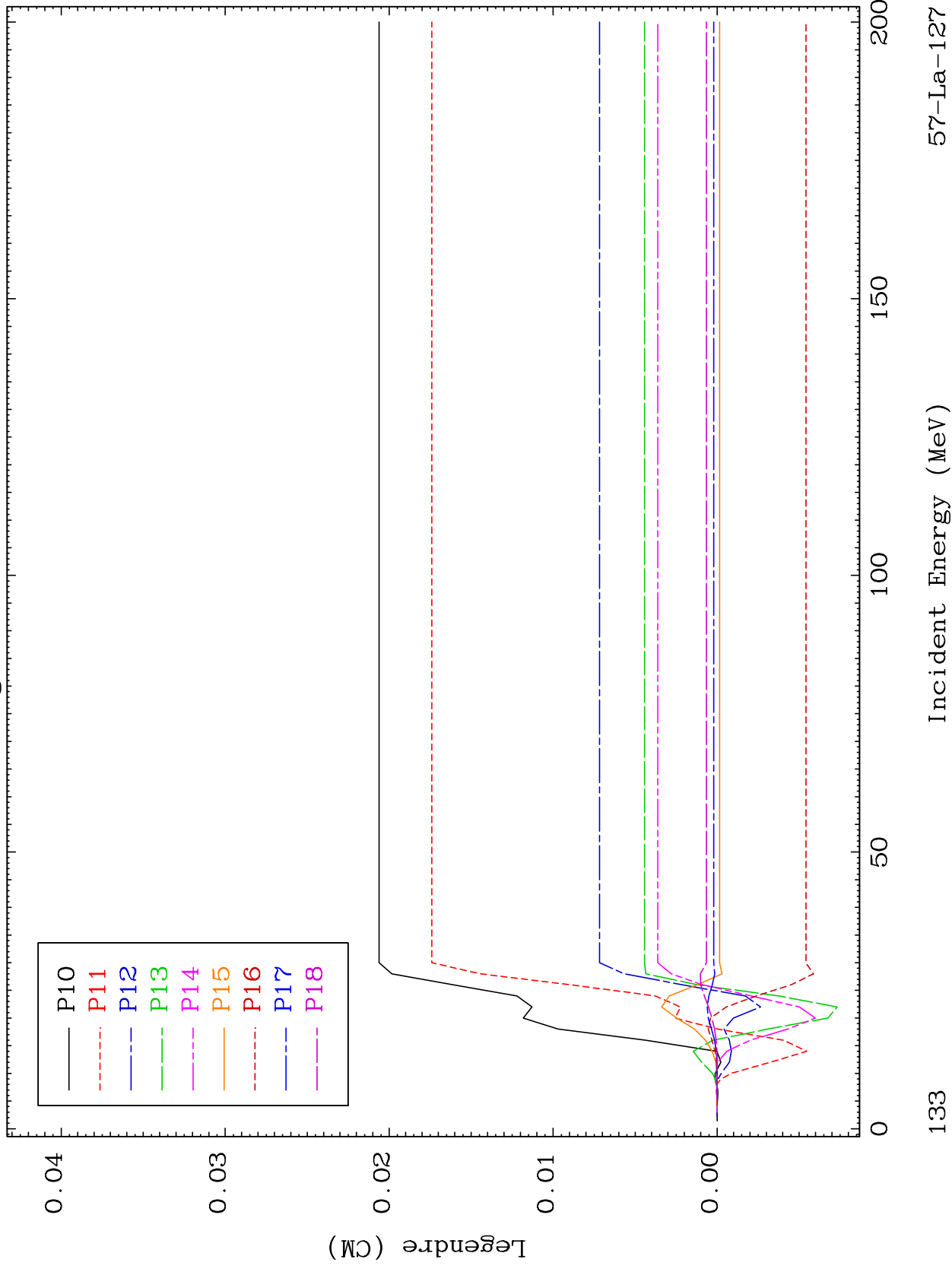
Incident Energy (MeV)

132

MAT 5692

1.144 MeV (n,n') Level
Legendre Coefficients

57-La-127



133

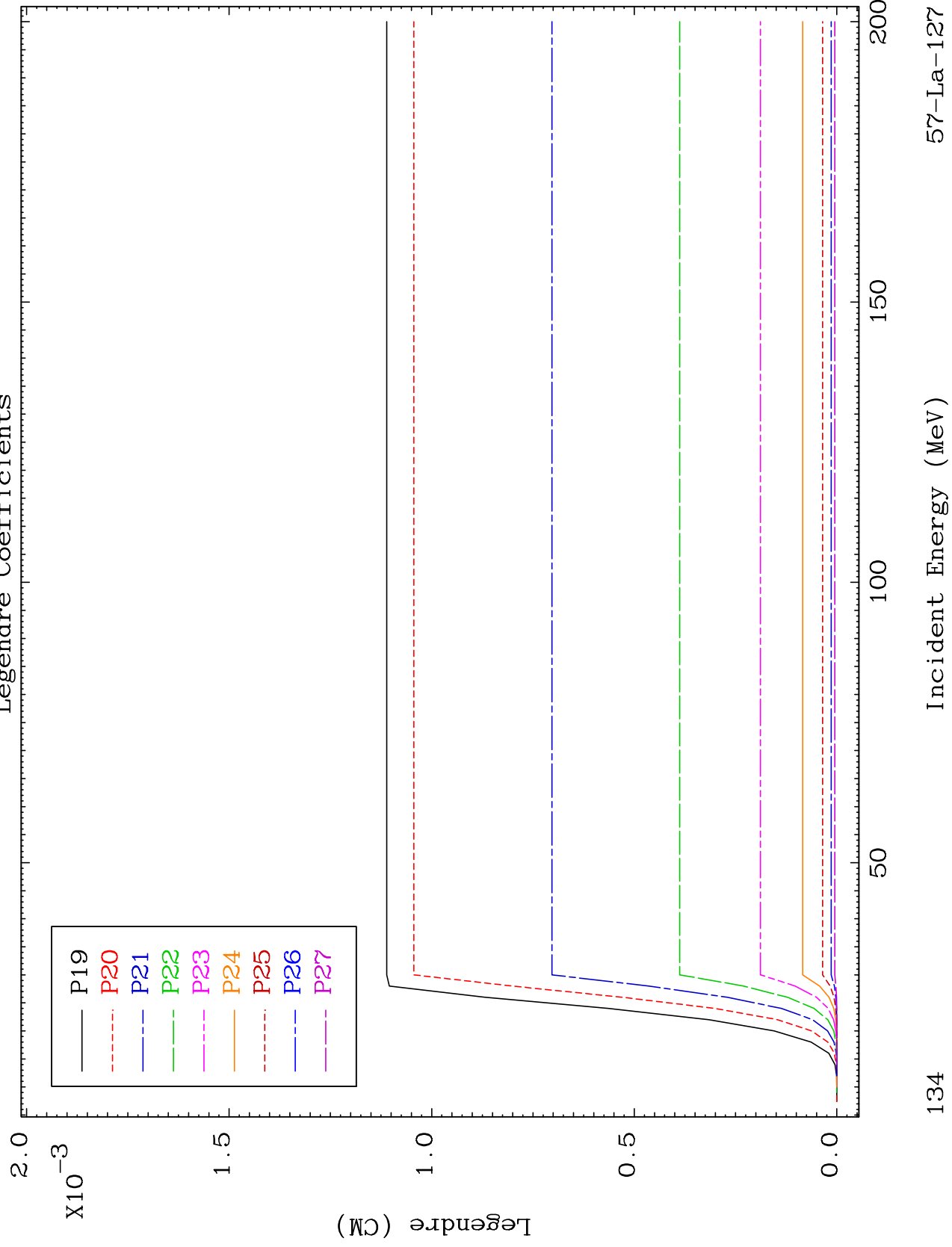
Incident Energy (MeV)

57-La-127

MAT 5692

1.144 MeV (n,n') Level
Legendre Coefficients

57-La-127



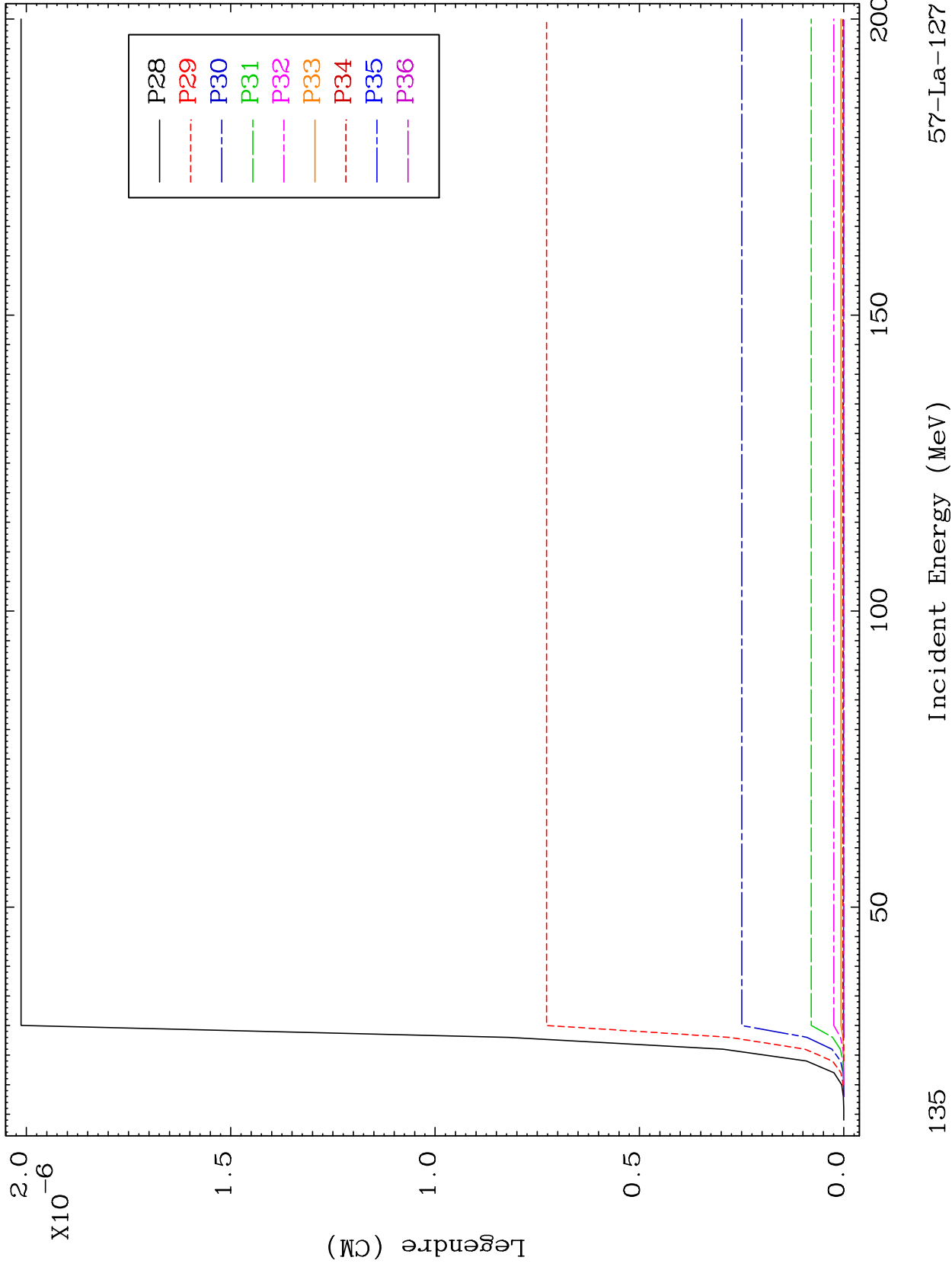
134

57-La-127

MAT 5692

1.144 MeV (n,n') Level
Legendre Coefficients

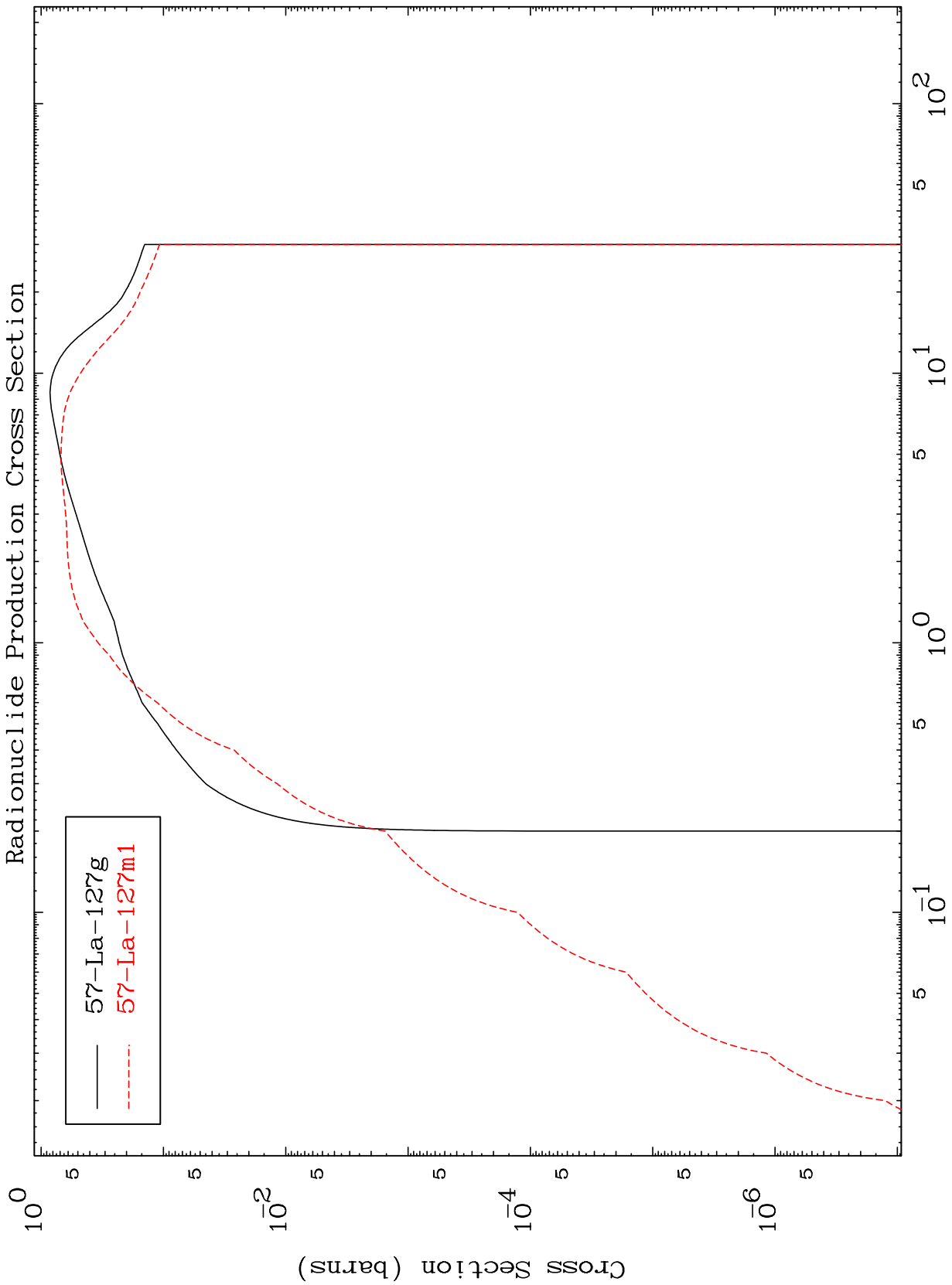
57-La-127



MAT 5692

57-La-127

Inelastic
Radionuclide Production Cross Section



— 57-La-127g
- - - 57-La-127m1

57-La-127

Incident Energy (MeV)

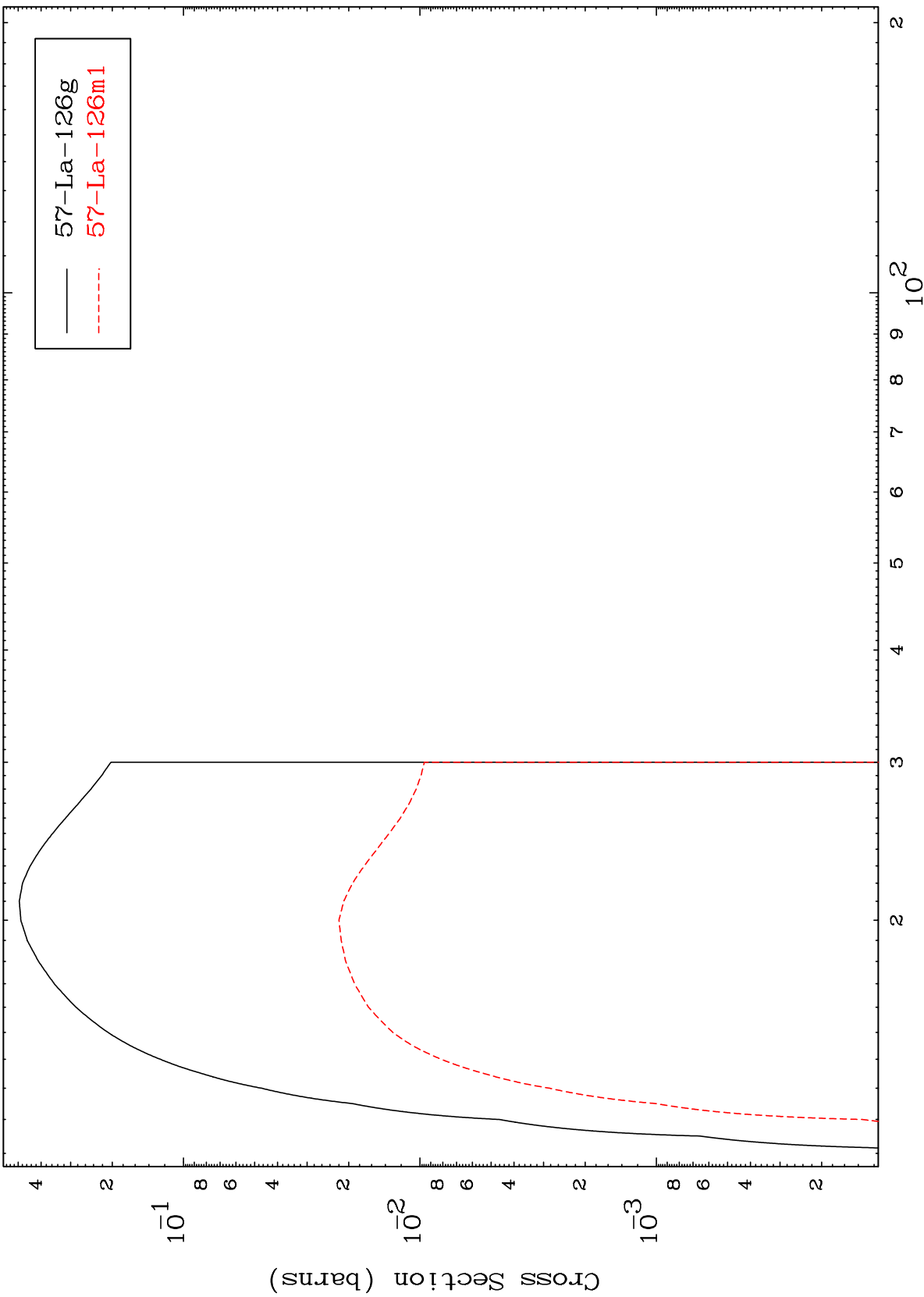
136

MAT 5692

57-La-127

(n,2n)

Radionuclide Production Cross Section



137

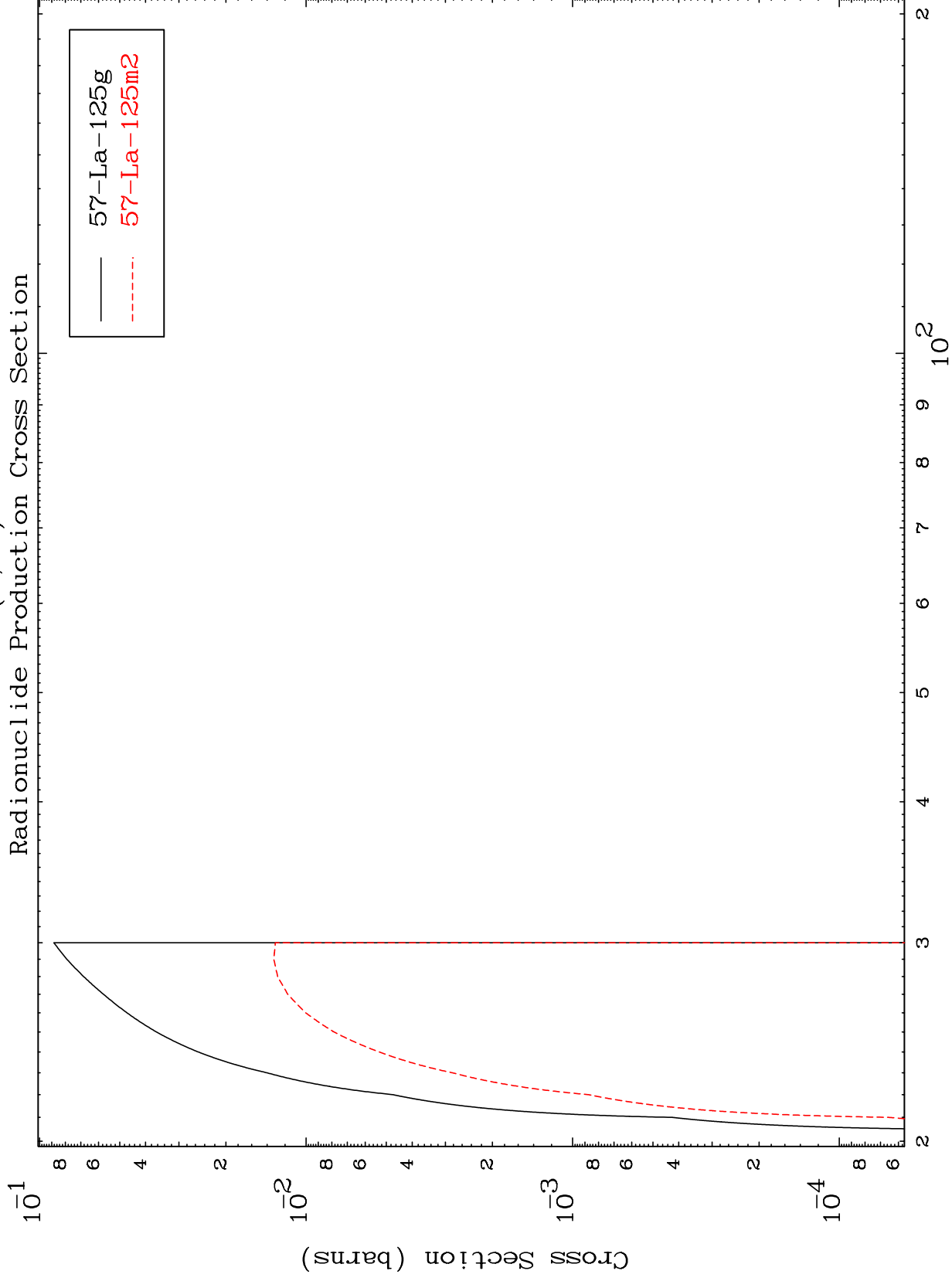
Incident Energy (MeV)

57-La-127

MAT 5692

57-La-127

(n,3n)
Radionuclide Production Cross Section



57-La-127

Incident Energy (MeV)

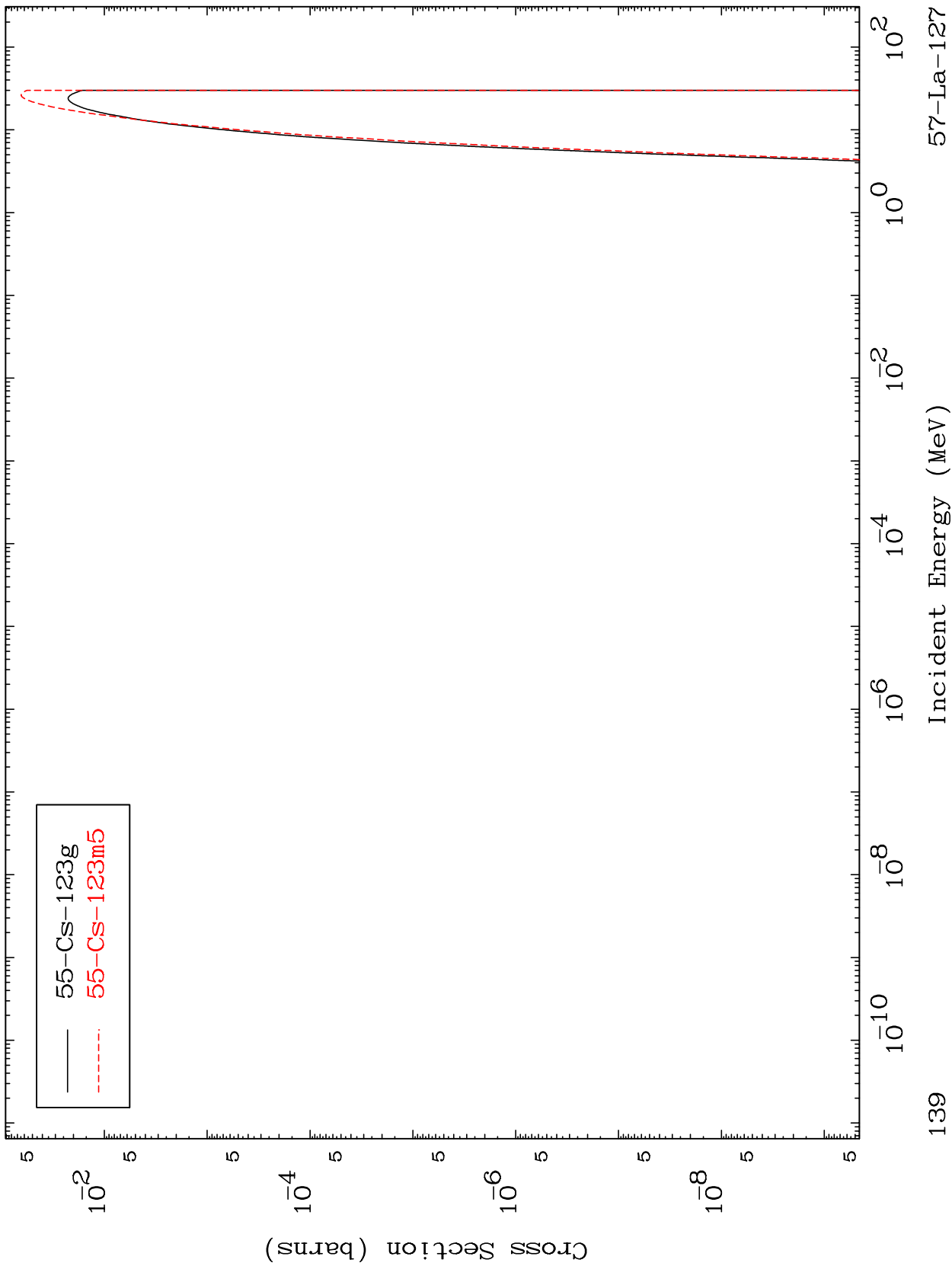
138

MAT 5692

$(n, n') \alpha$

57-La-127

Radionuclide Production Cross Section

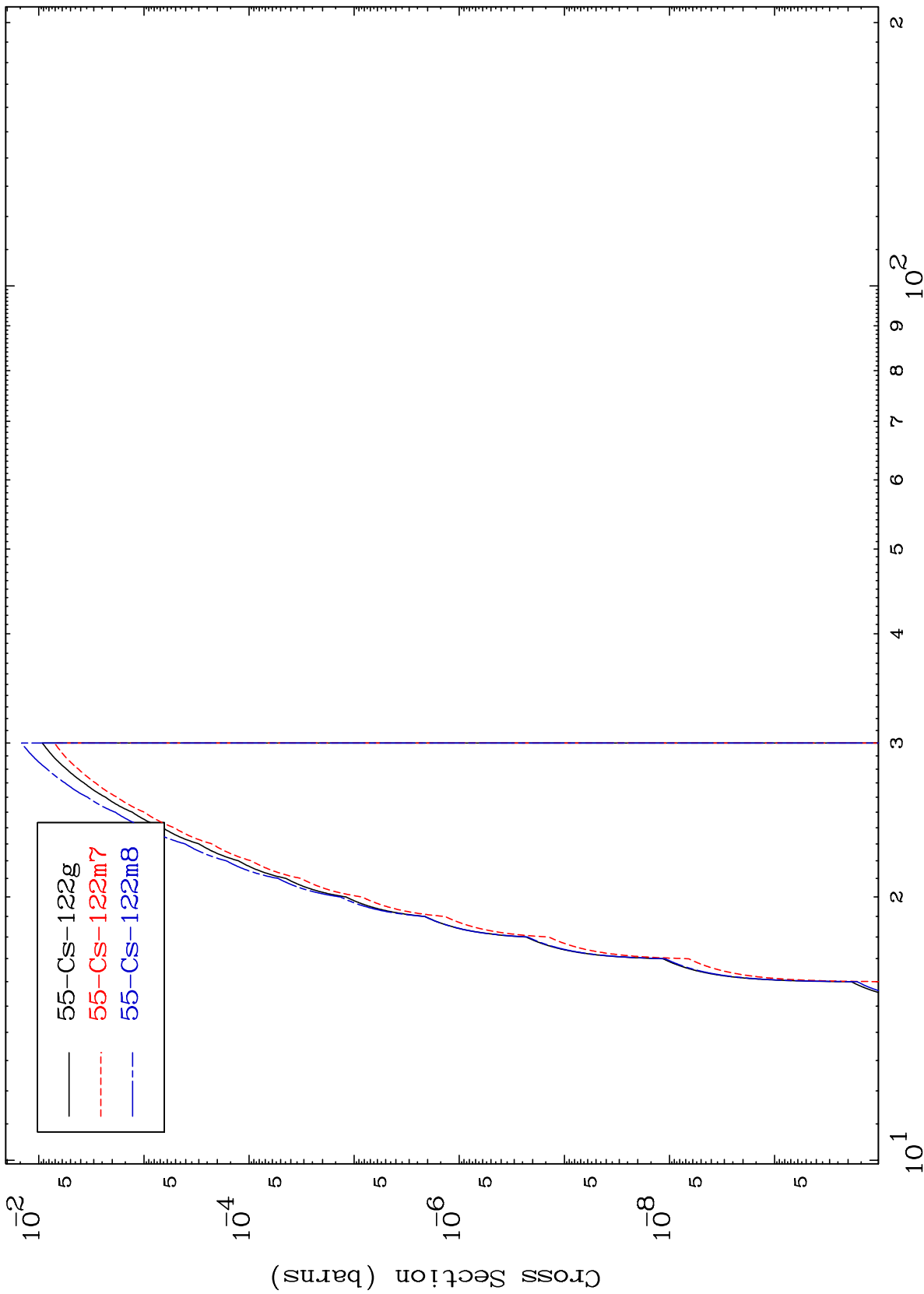


MAT 5692

(n,2n) α

57-La-127

Radionuclide Production Cross Section



55-Cs-122g
55-Cs-122m7
55-Cs-122m8

Incident Energy (MeV)

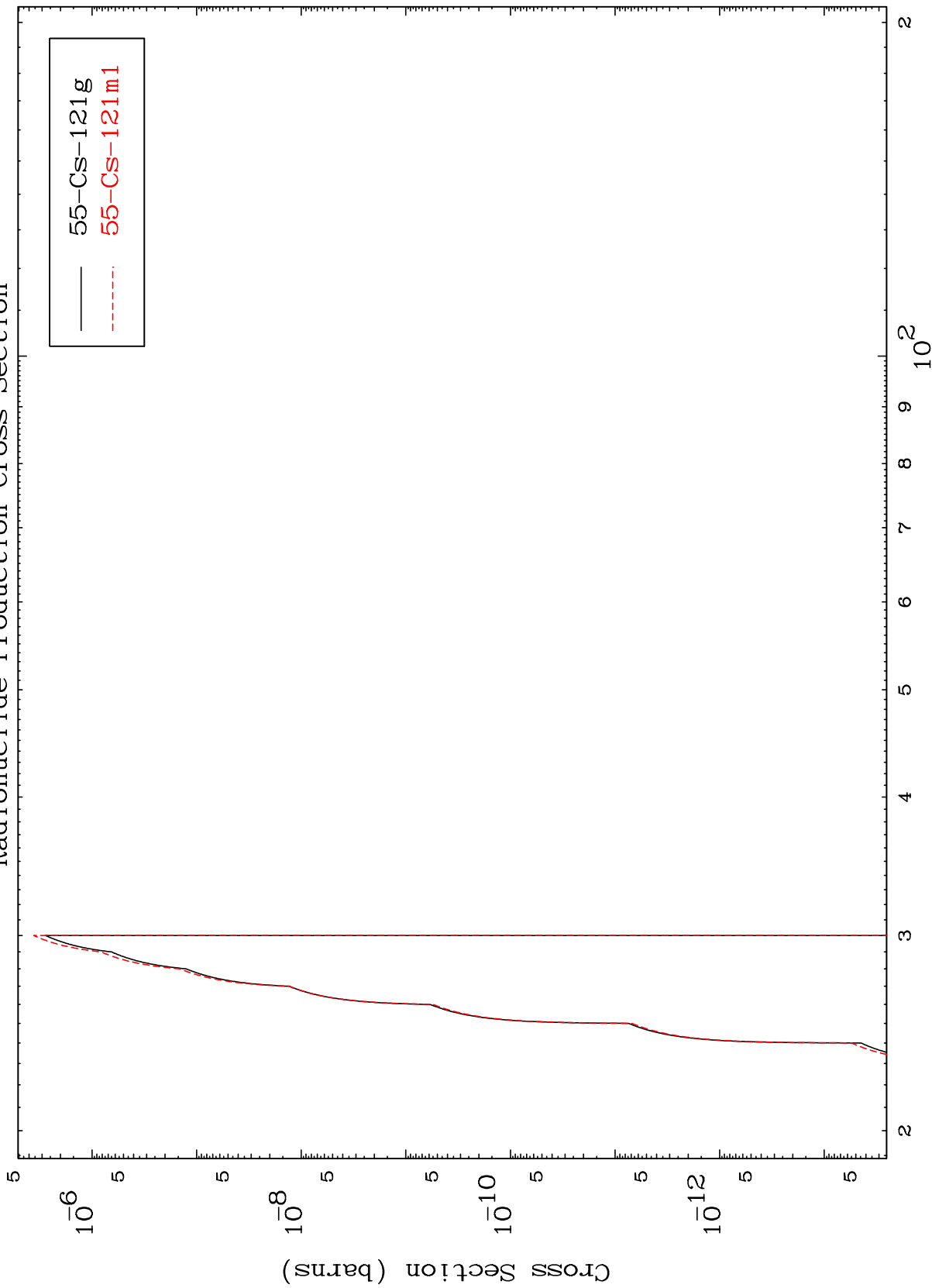
57-La-127

MAT 5692

(n,3n) α

57-La-127

Radionuclide Production Cross Section



141

Incident Energy (MeV)

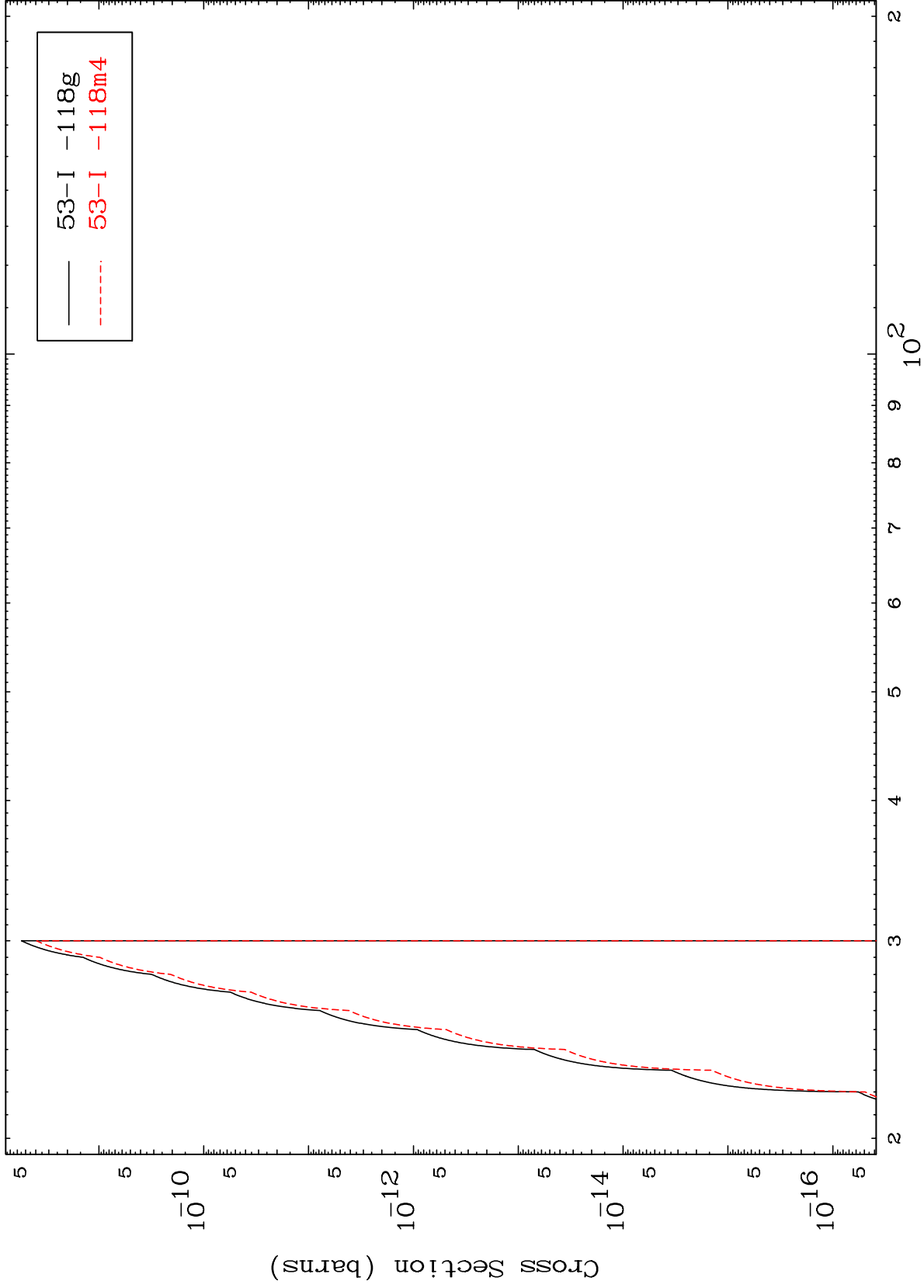
57-La-127

MAT 5692

(n,2n) 2 α

57-La-127

Radionuclide Production Cross Section



142

Incident Energy (MeV)

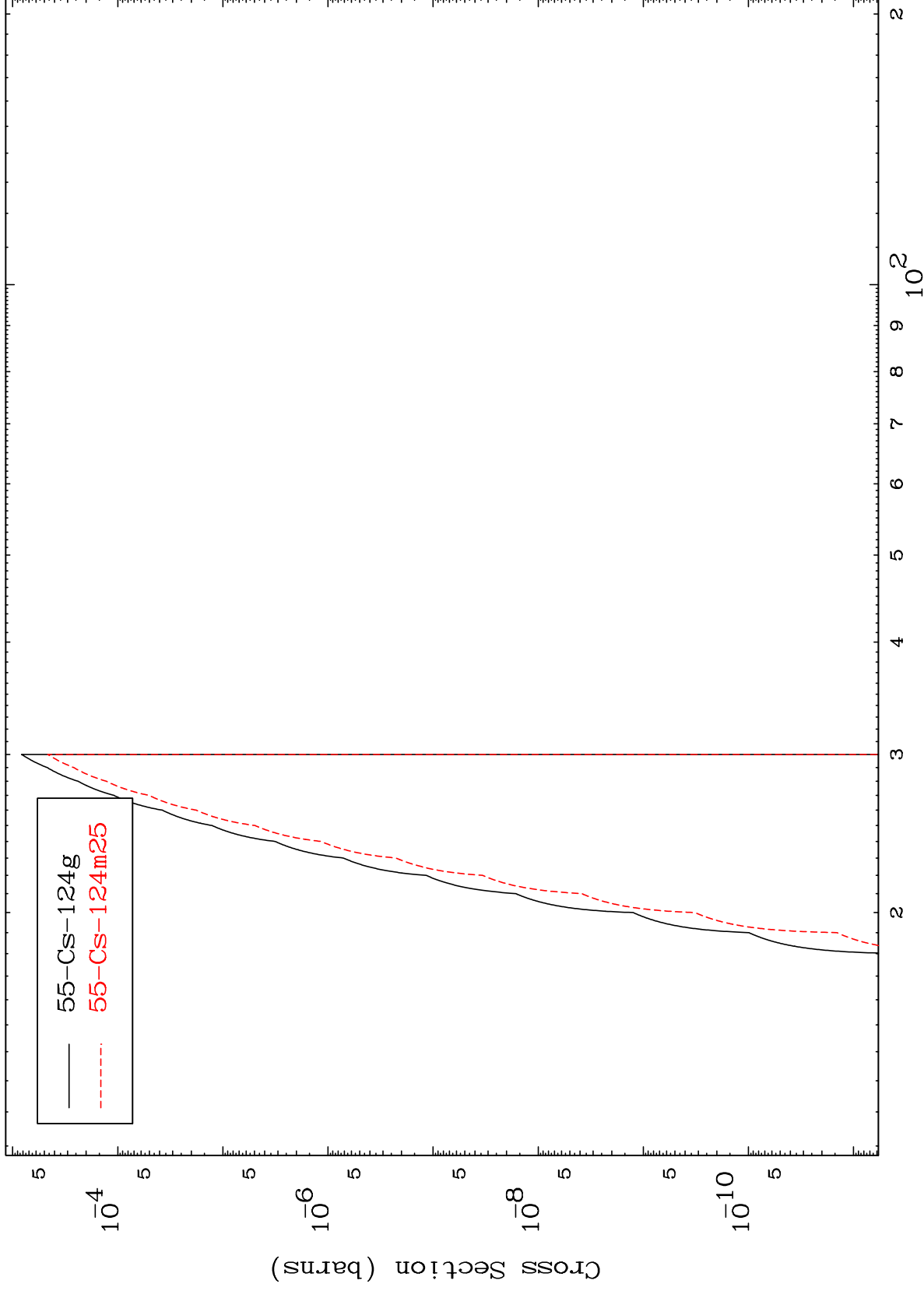
57-La-127

MAT 5692

(n,n') He-3

57-La-127

Radionuclide Production Cross Section



143

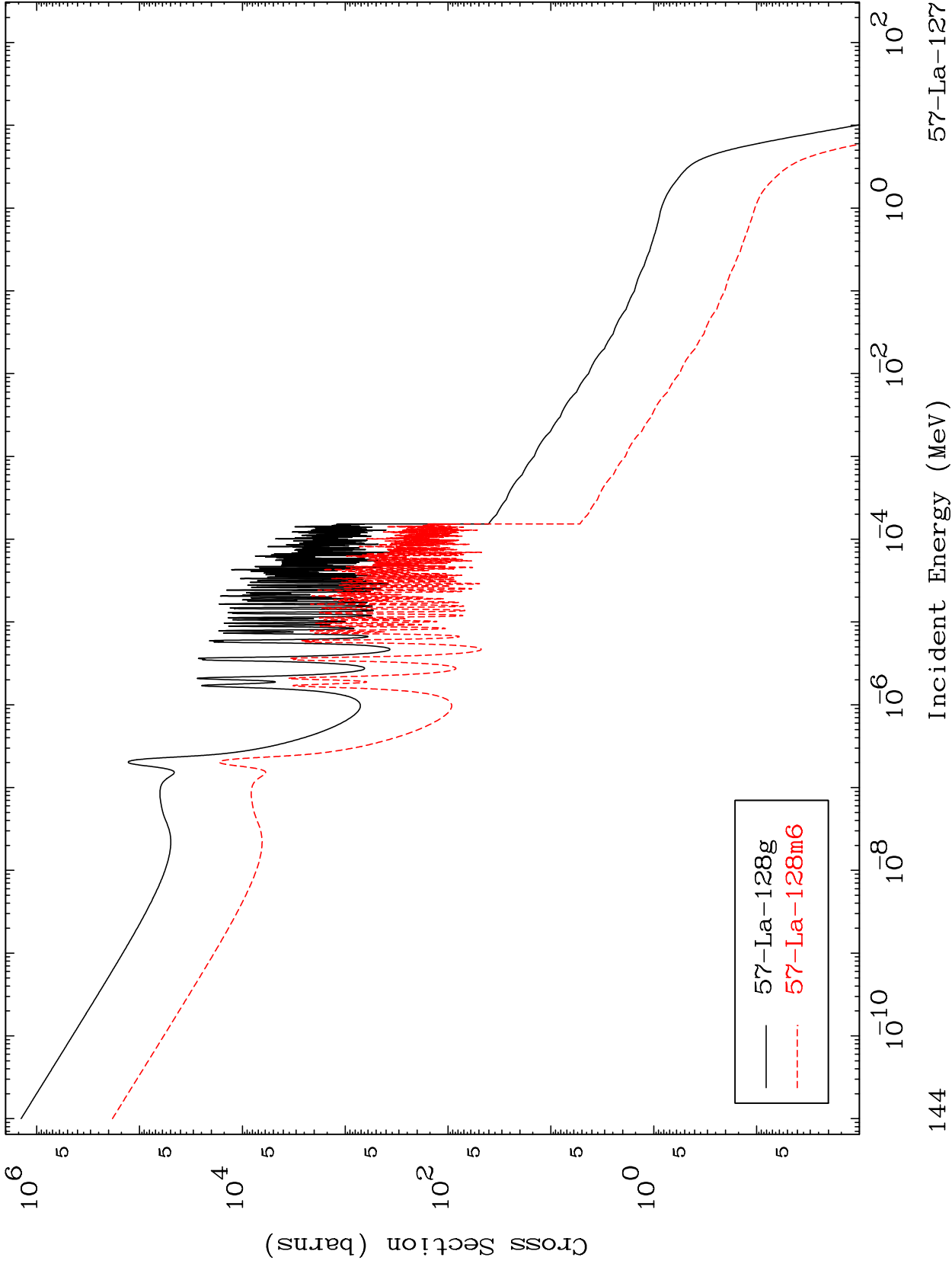
Incident Energy (MeV)

57-La-127

MAT 5692

57-La-127

(n, γ)
Radionuclide Production Cross Section

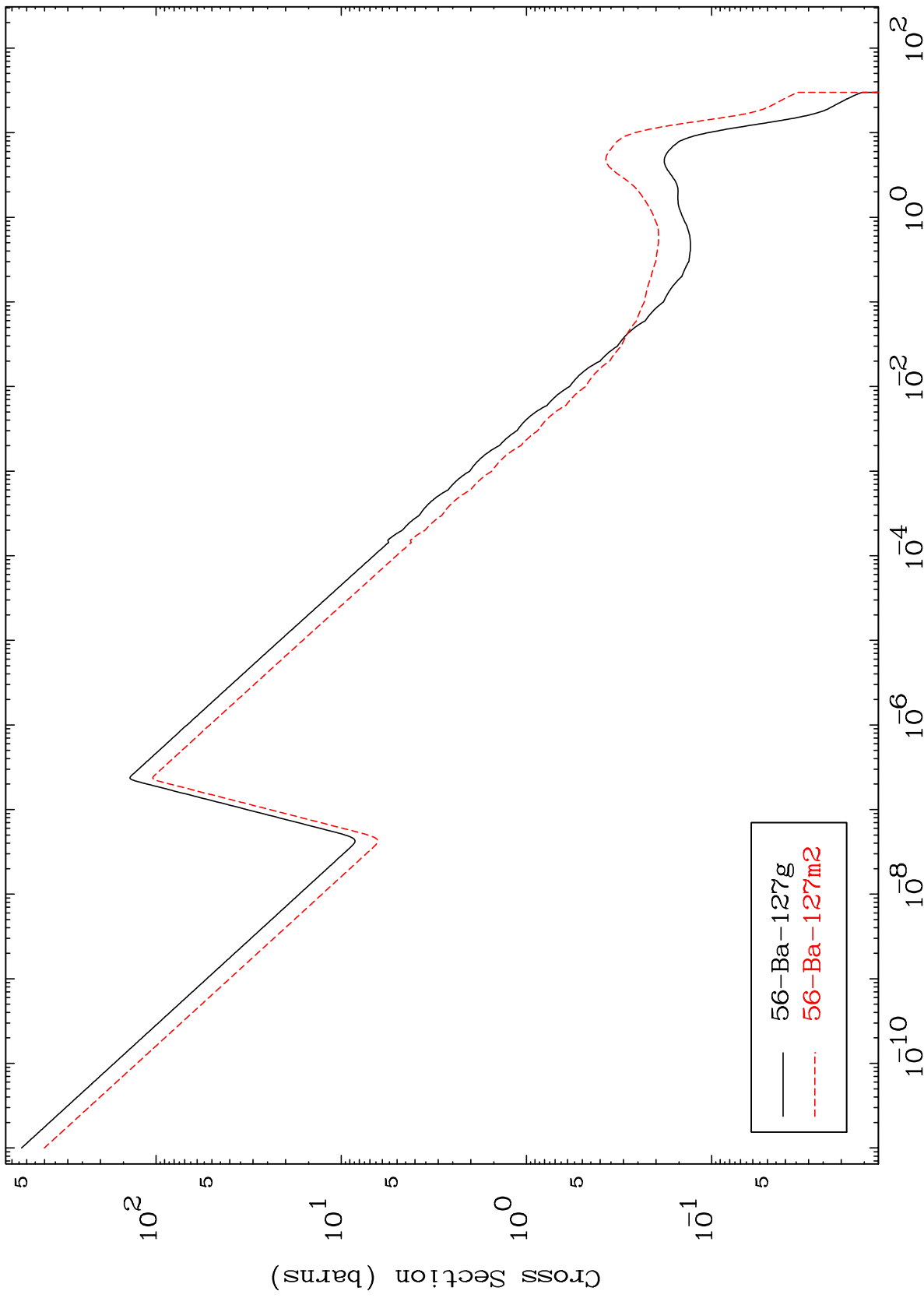


MAT 5692

57-La-127

Radionuclide Production Cross Section

(n,p)



57-La-127

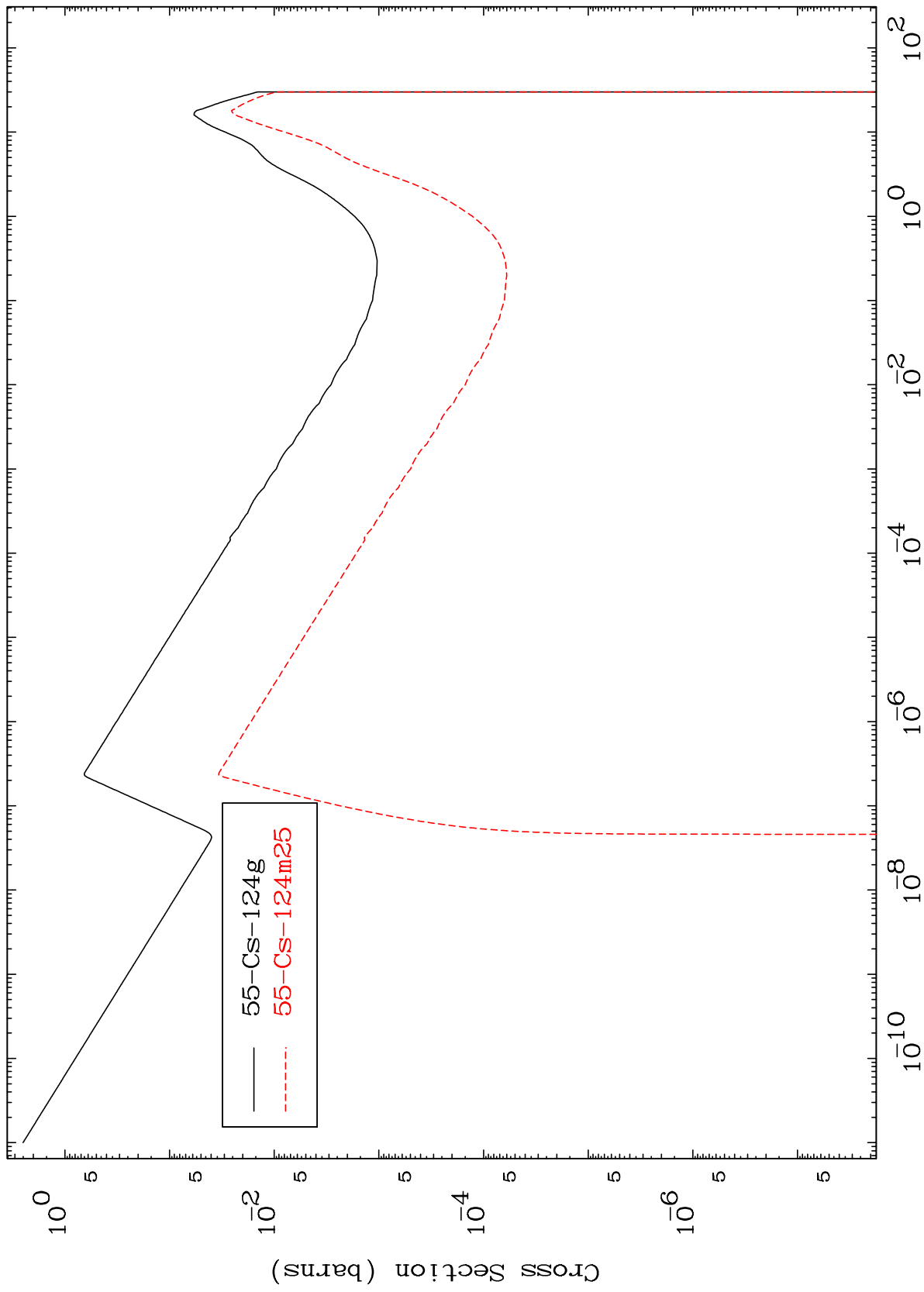
Incident Energy (MeV)

145

MAT 5692

57-La-127

Radionuclide Production Cross Section



146

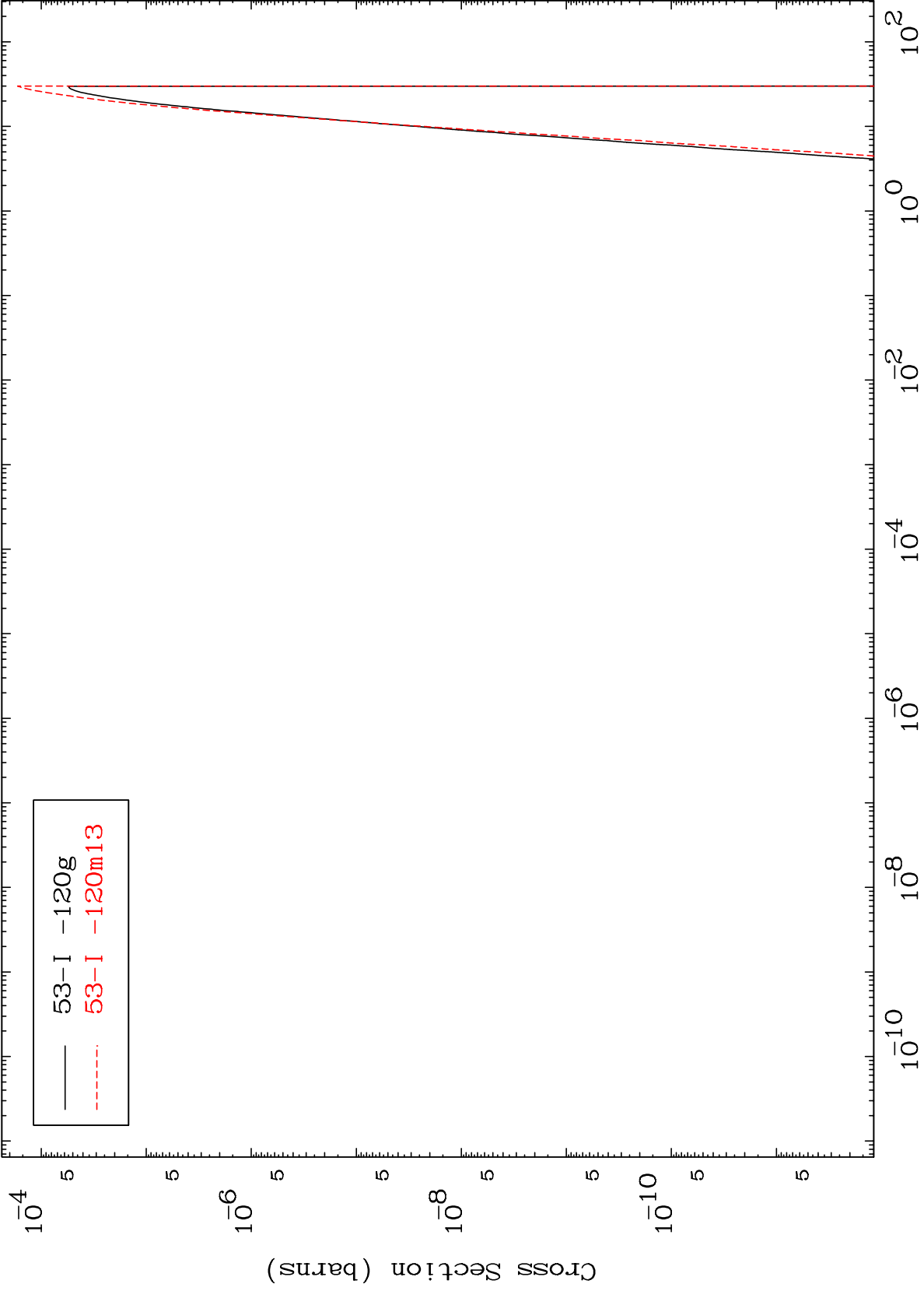
57-La-127

MAT 5692

(n,2α)

57-La-127

Radionuclide Production Cross Section



147

Incident Energy (MeV)

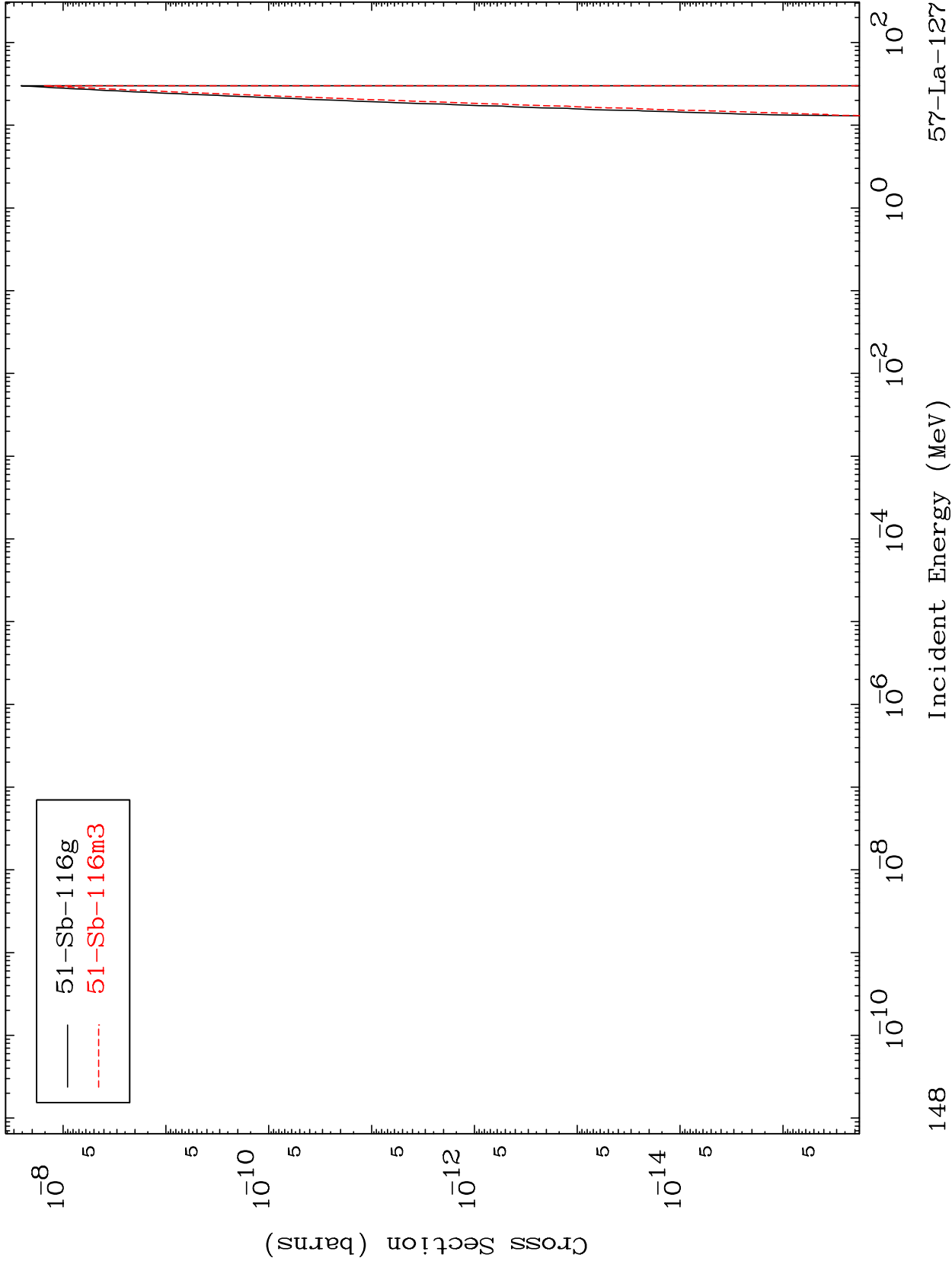
57-La-127

MAT 5692

(n, 3 α)

57-La-127

Radionuclide Production Cross Section



— 51-Sb-116g
- - - 51-Sb-116m3

MAT 5692

(n,p) t

57-La-127

Radionuclide Production Cross Section

