

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

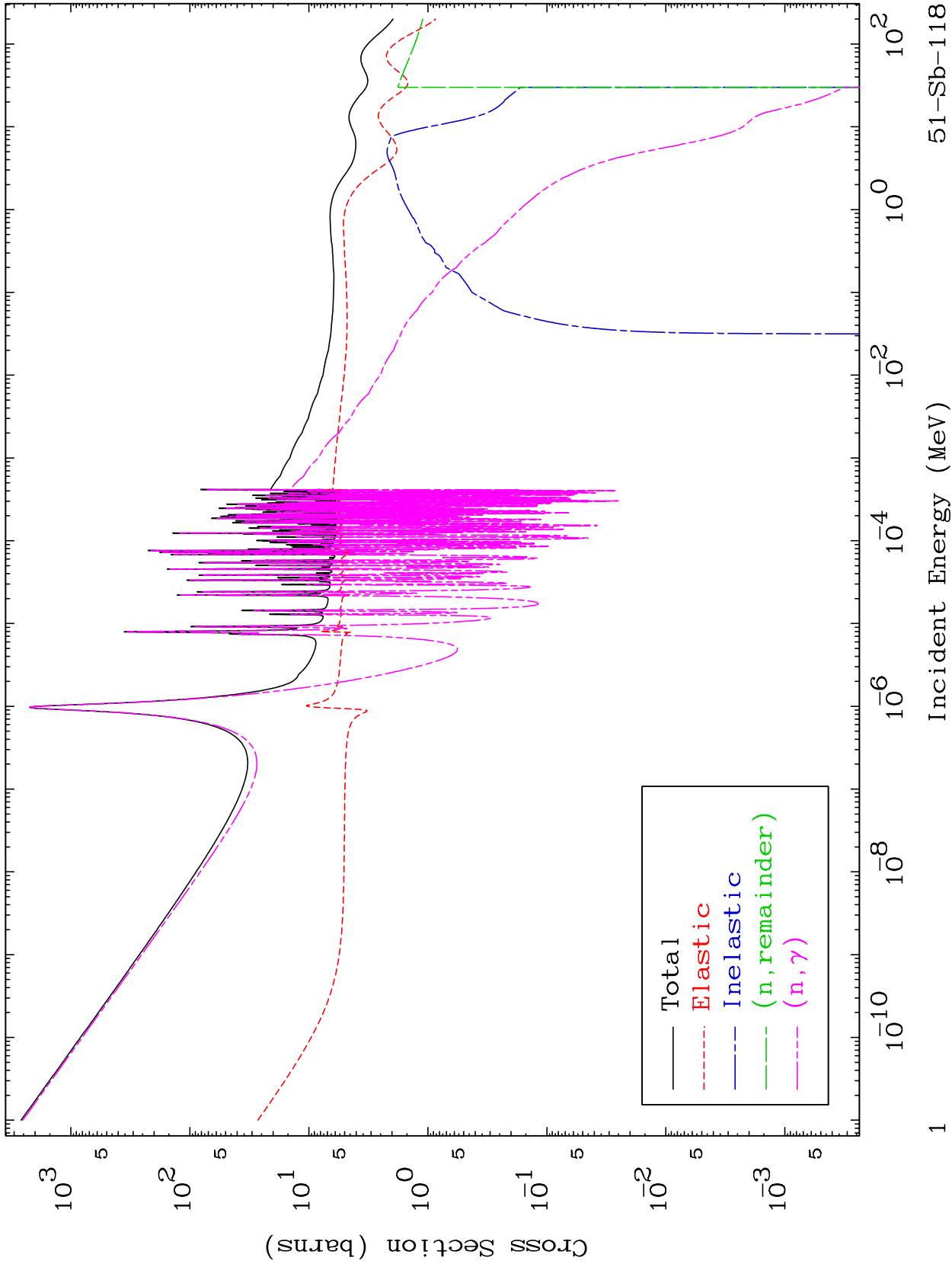
Press Mouse Button to Start

MAT 5116

Major

293 Kelvin Cross Sections

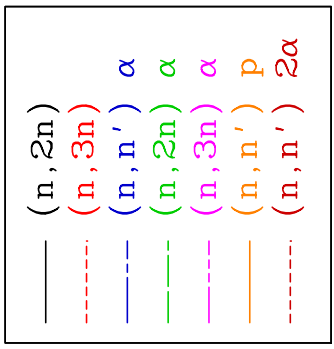
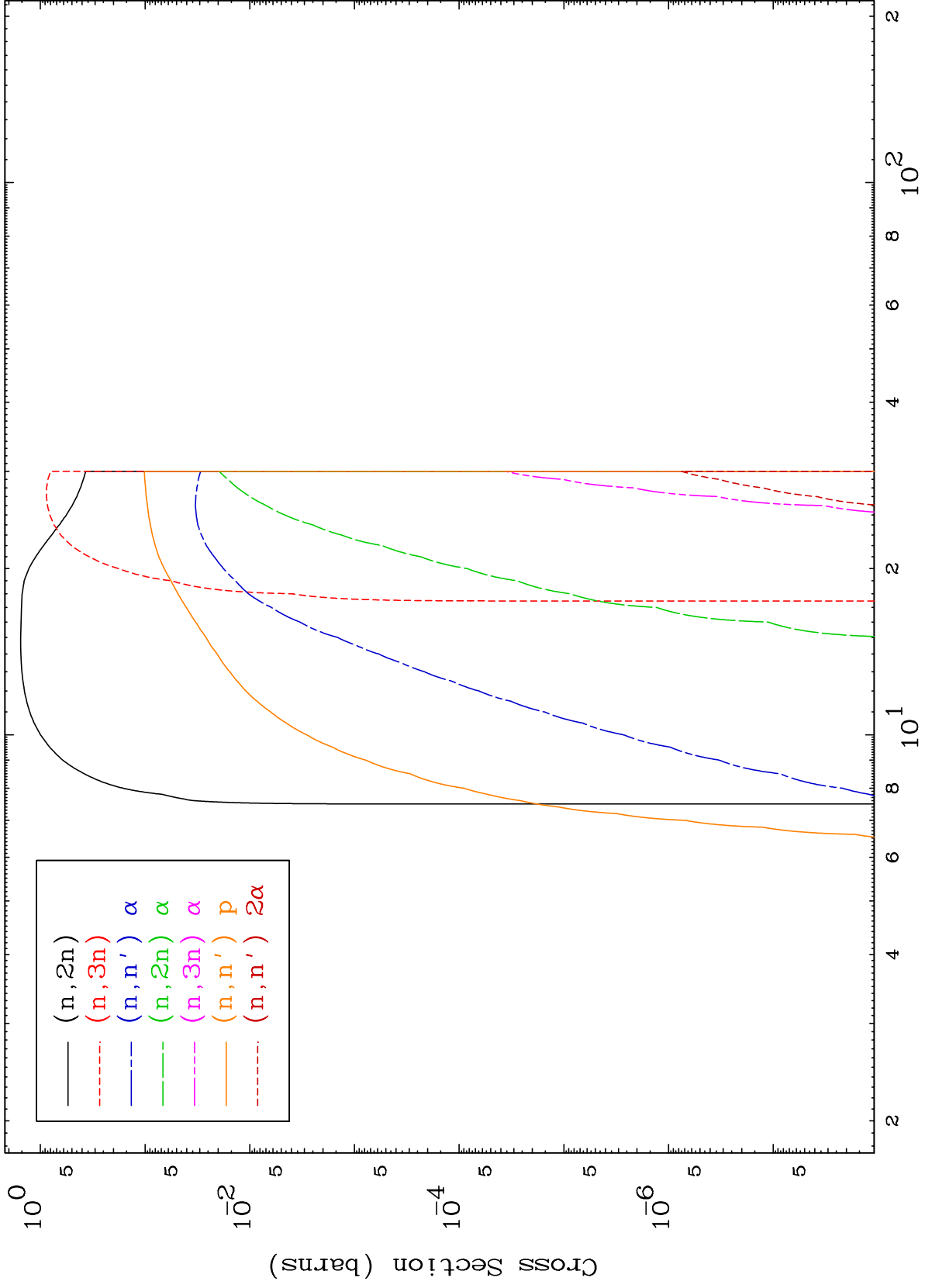
51-Sb-118



MAT 5116

Neutron Production
293 Kelvin Cross Sections

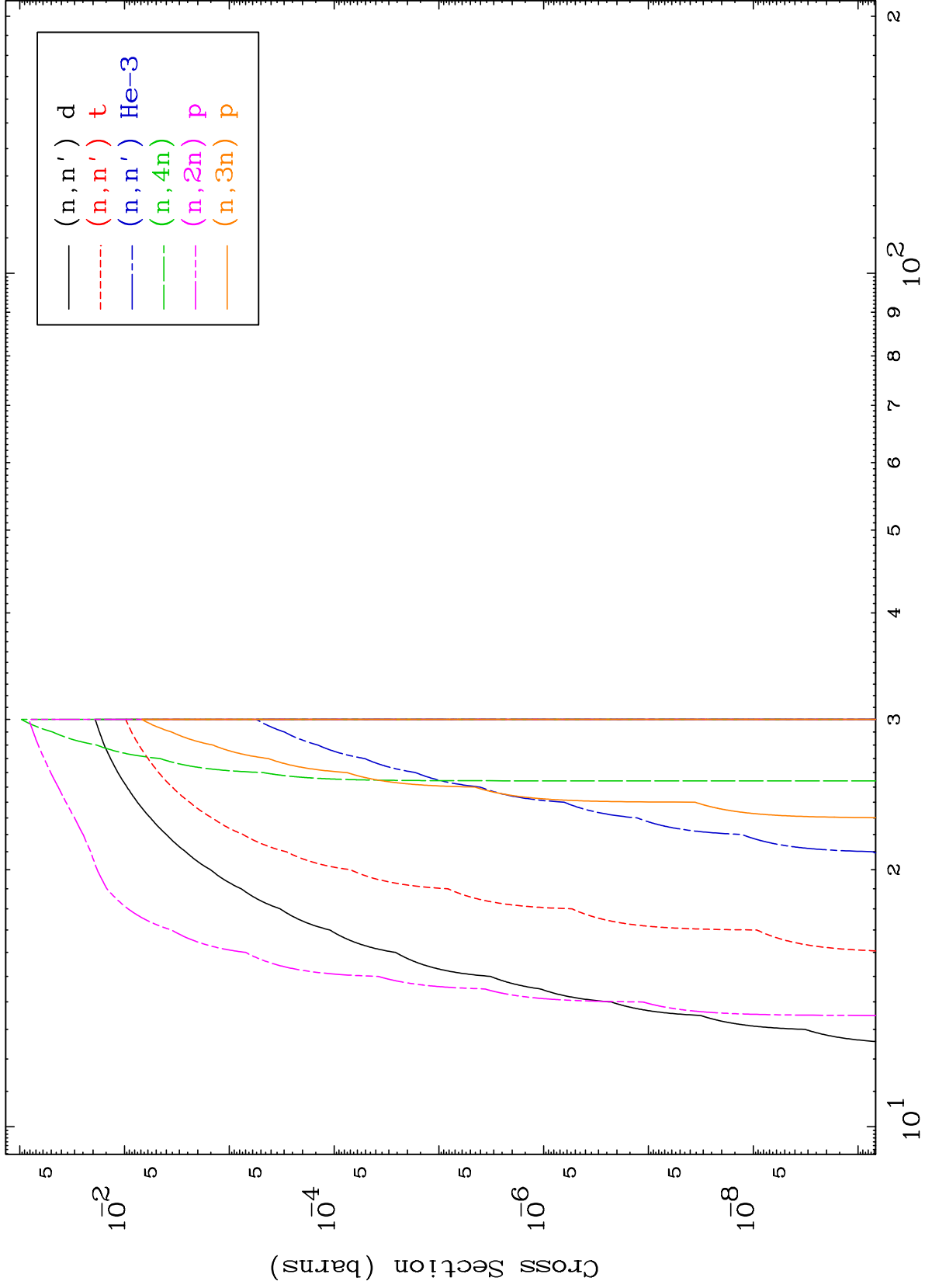
51-Sb-118



2

Incident Energy (MeV)

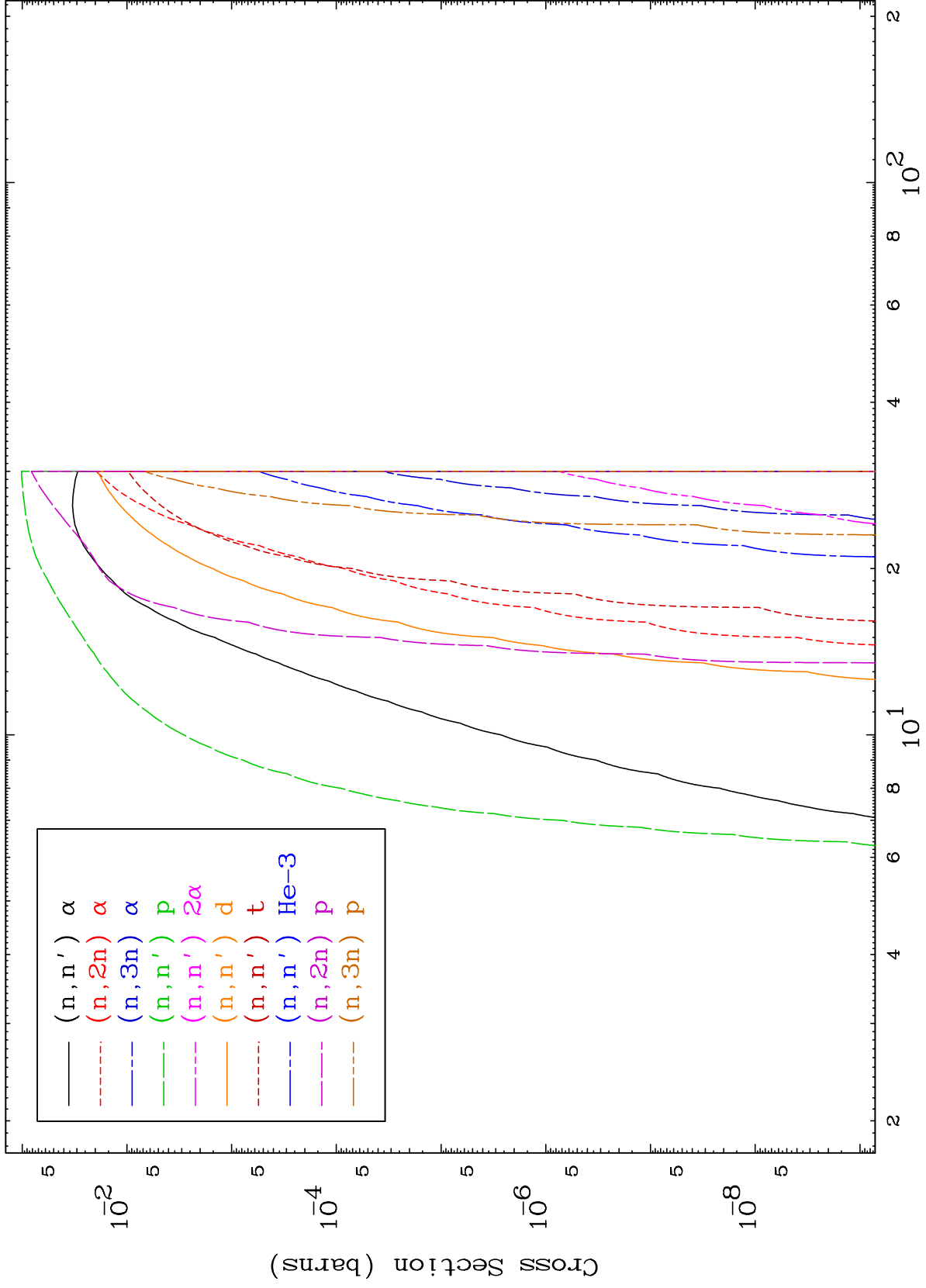
51-Sb-118



MAT 5116

Charged Particle
293 Kelvin Cross Sections

51-Sb-118



4

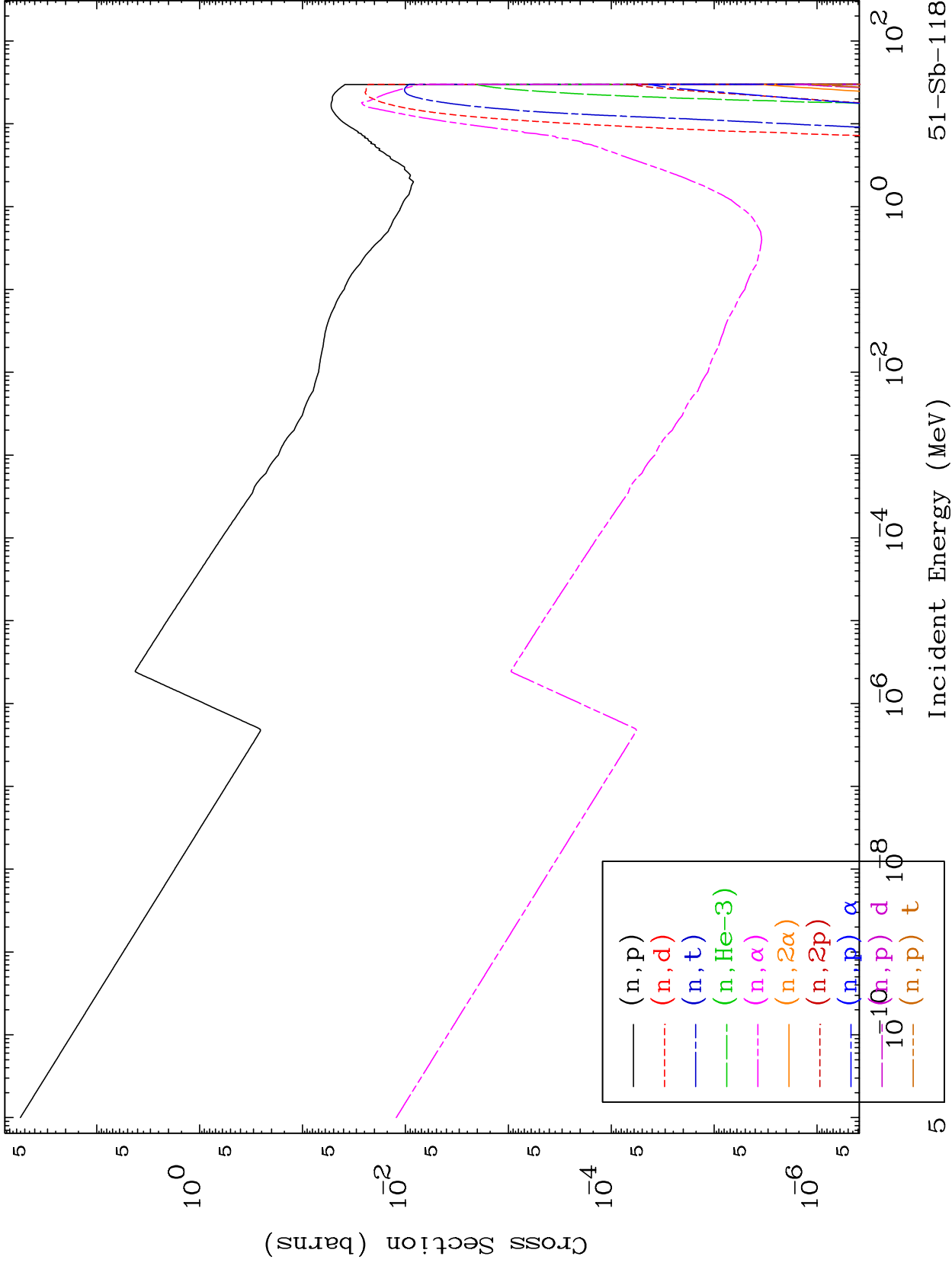
Incident Energy (MeV)

51-Sb-118

MAT 5116

Charged Particle
293 Kelvin Cross Sections

51-Sb-118

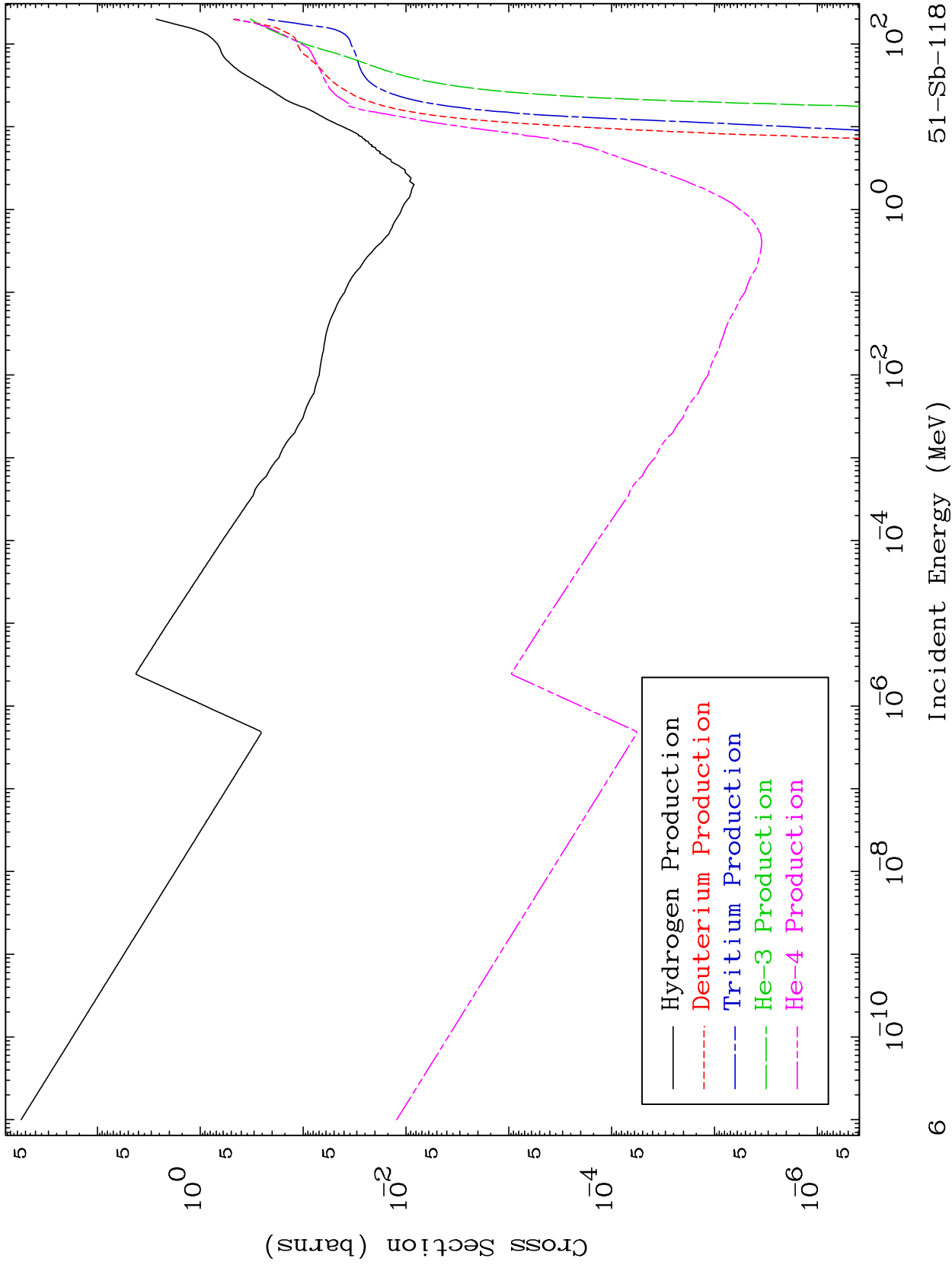


51-Sb-118

MAT 5116

Particle Production
293 Kelvin Cross Sections

51-Sb-118

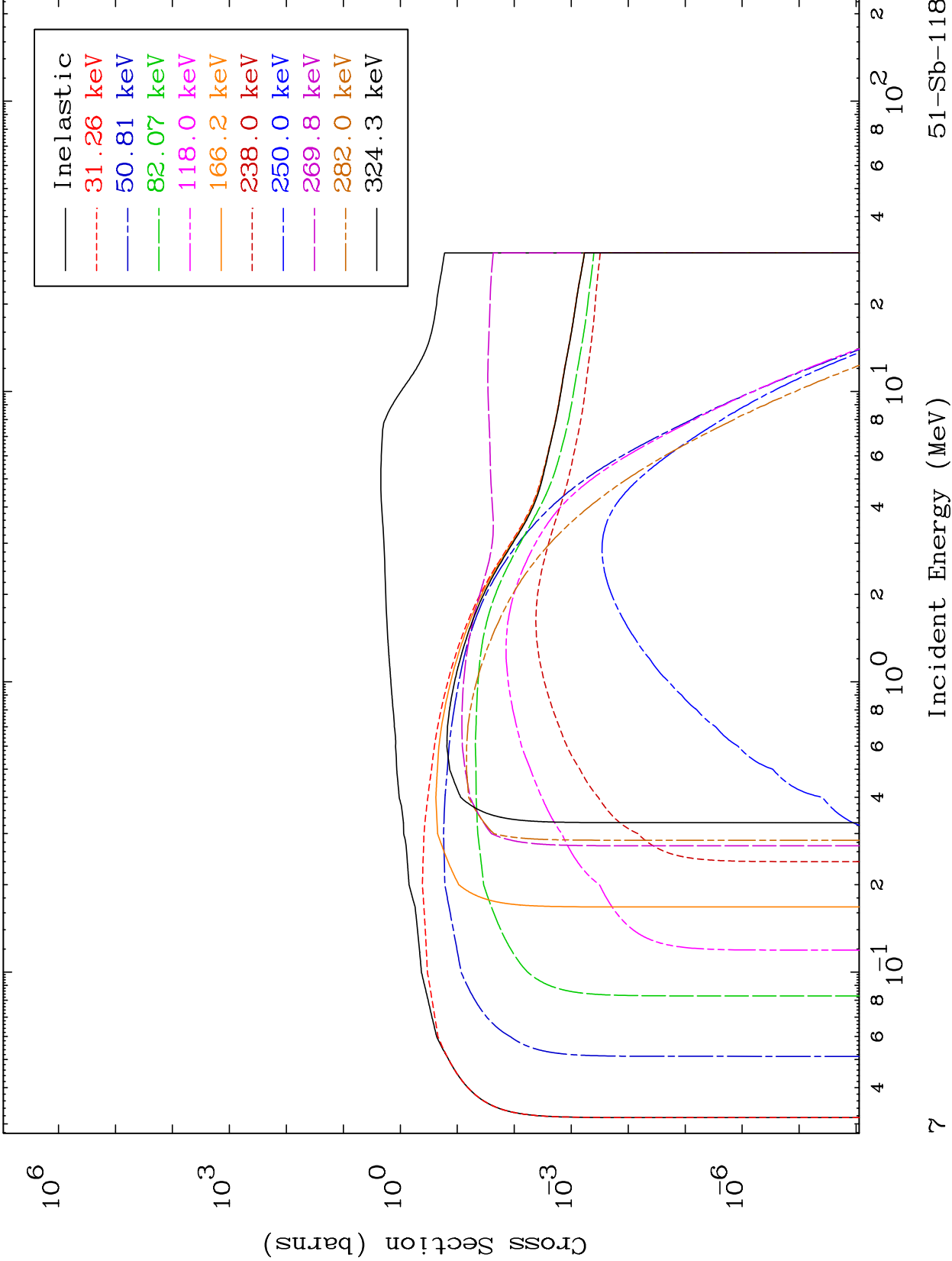


MAT 5116

(n,n') Level

51-Sb-118

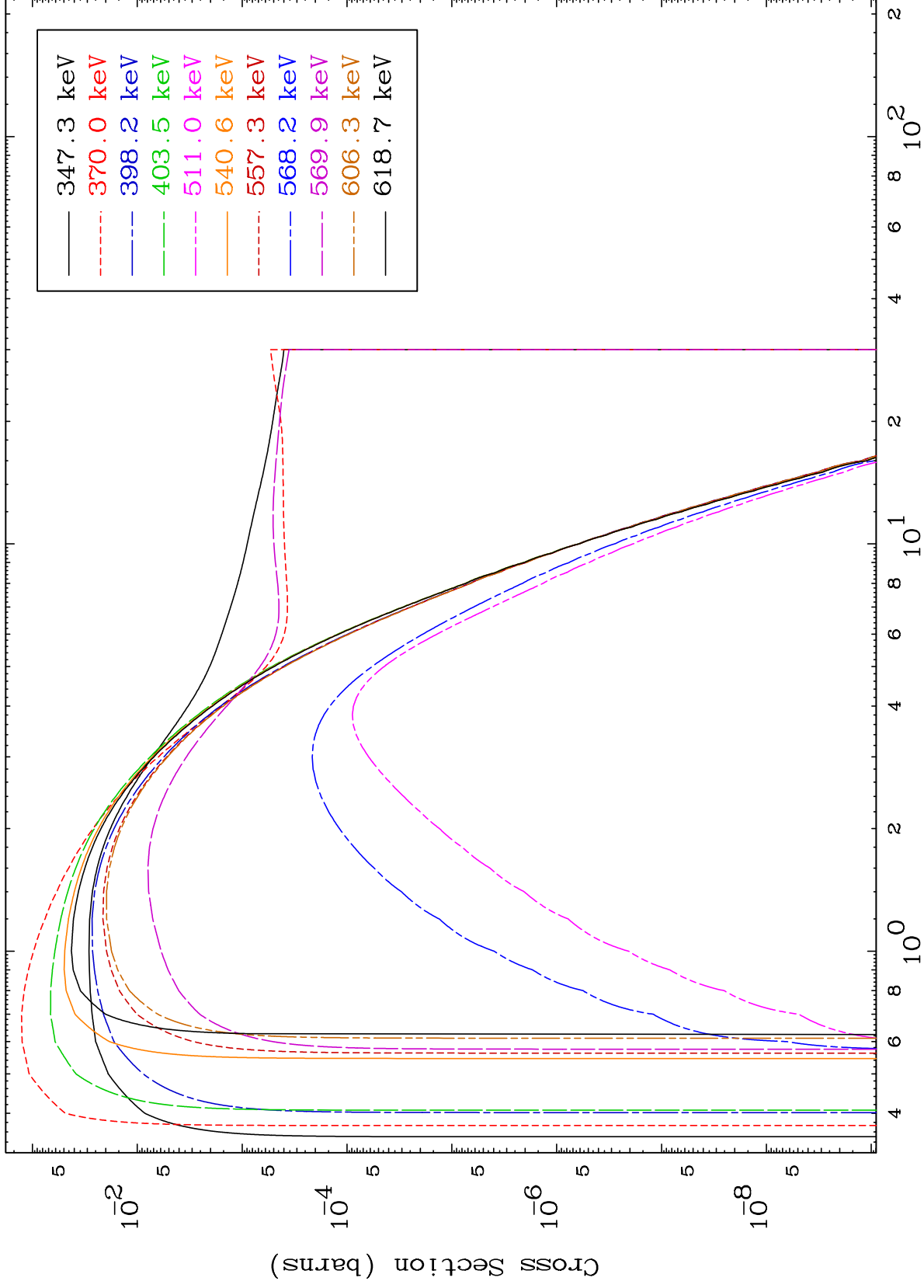
293 Kelvin Cross Sections



MAT 5116

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118



8

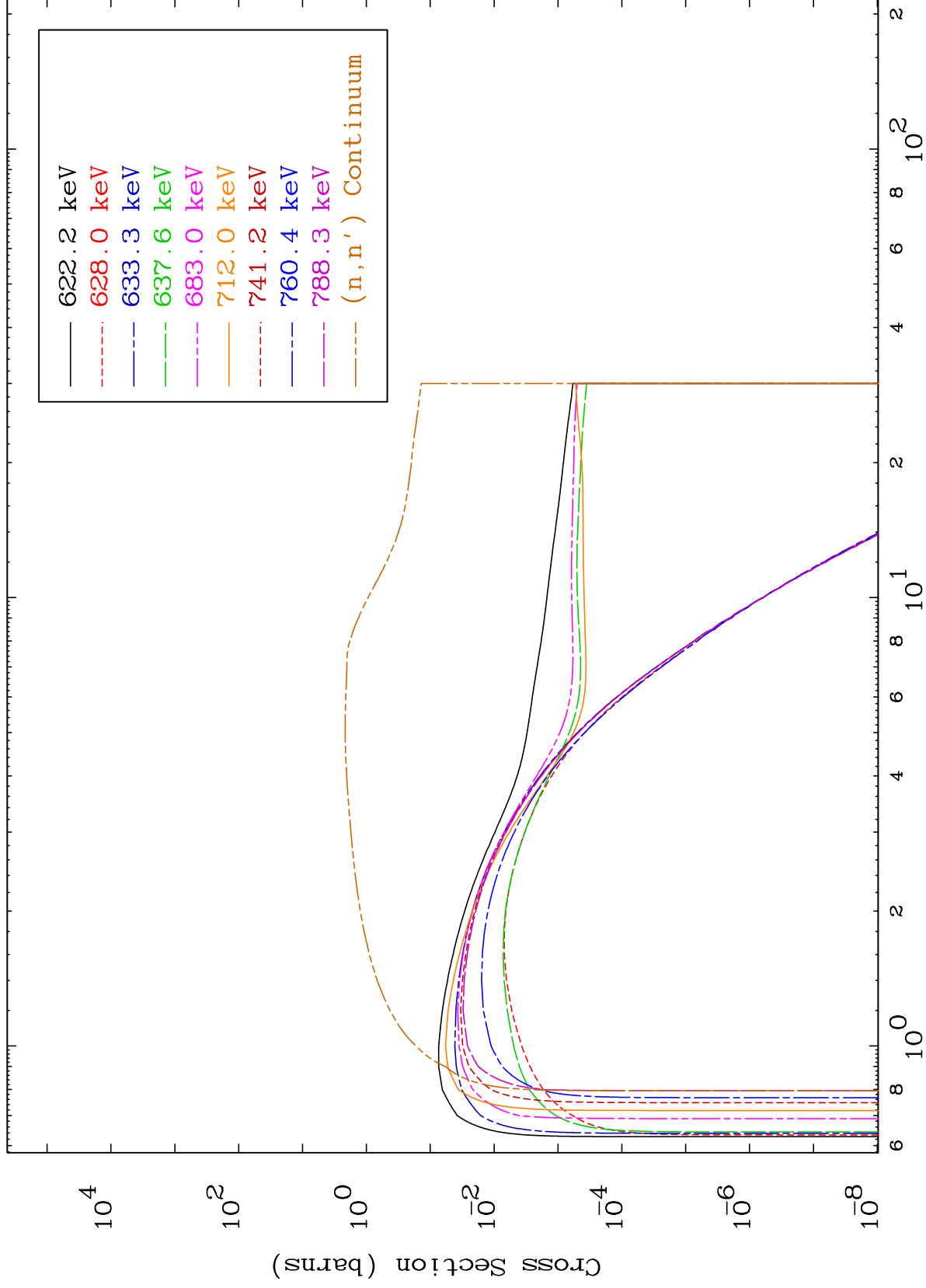
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,n') Level
293 Kelvin Cross Sections

51-Sb-118



9

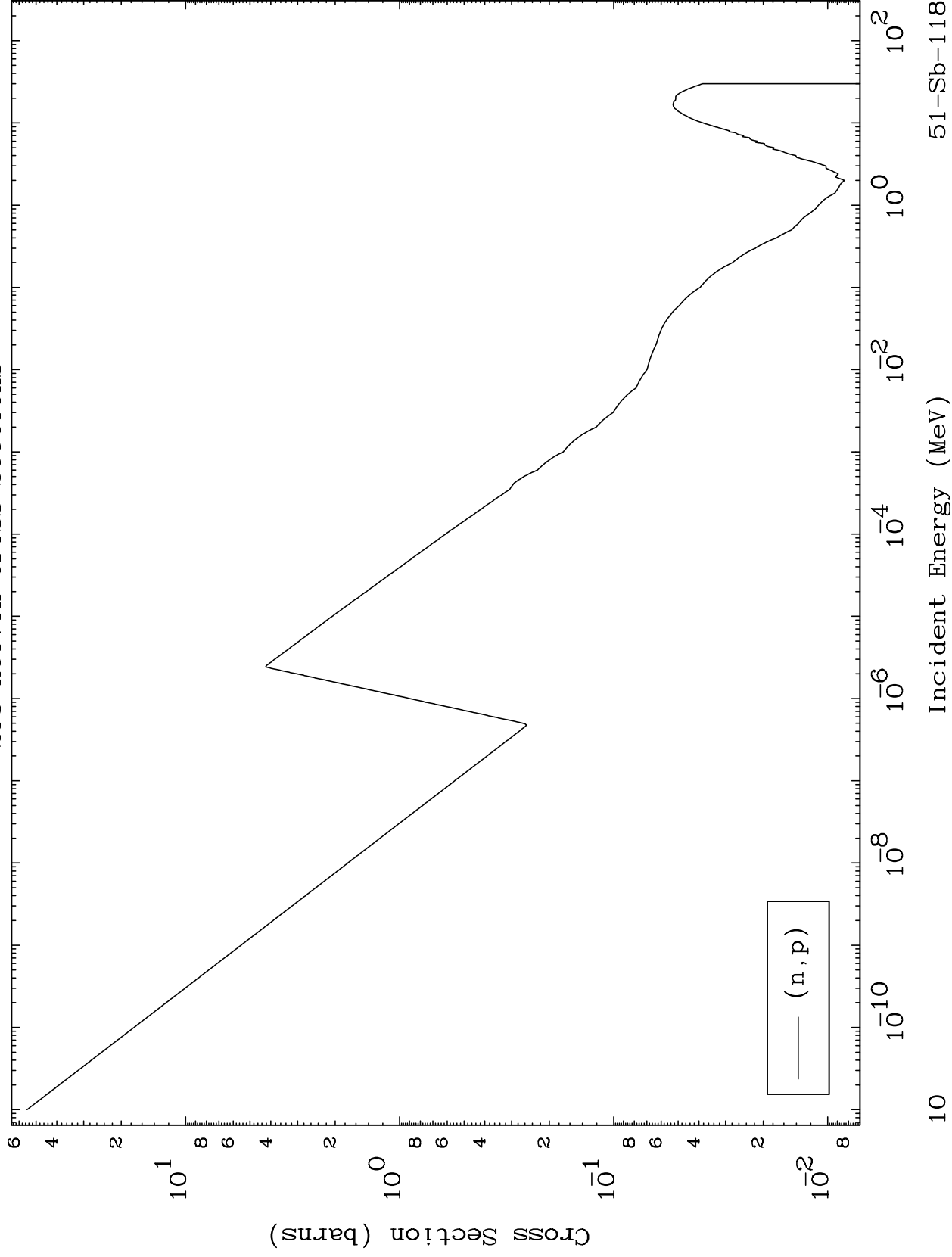
Incident Energy (MeV)

51-Sb-118

MAT 5116

(n,p) Levels
293 Kelvin Cross Sections

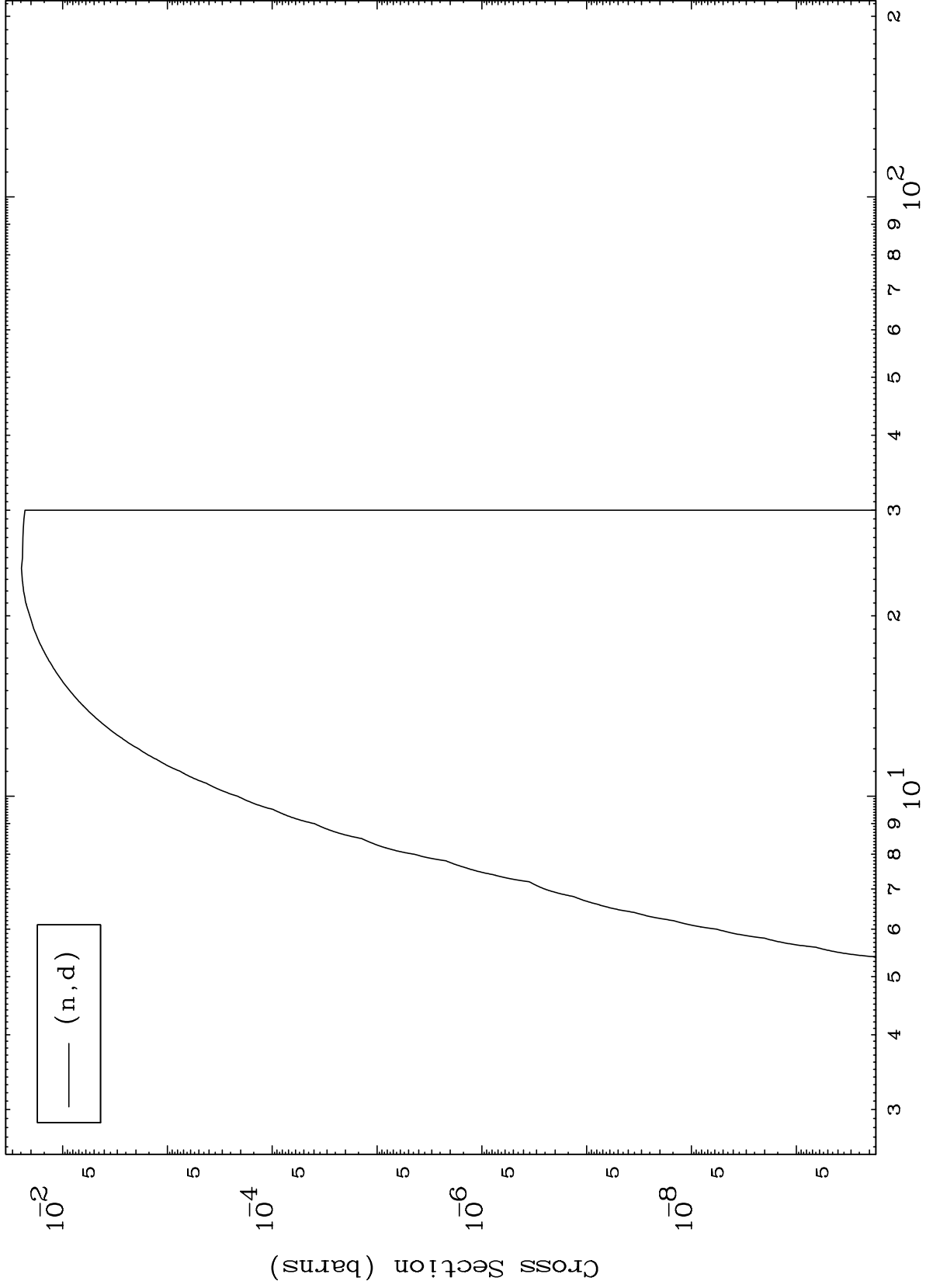
51-Sb-118



MAT 51116

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-118

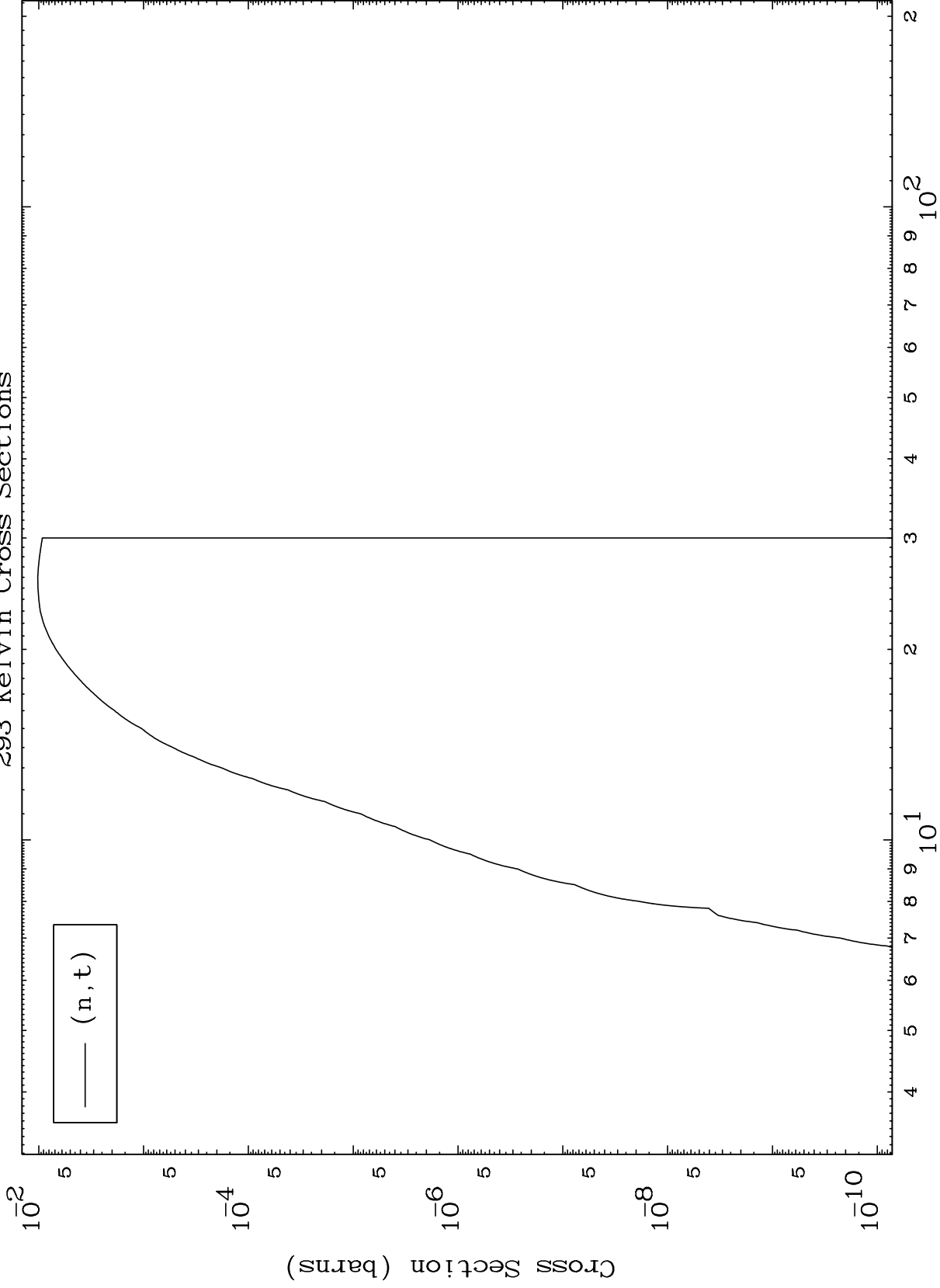


(n,d)

MAT 51116

(n,t) Levels
293 Kelvin Cross Sections

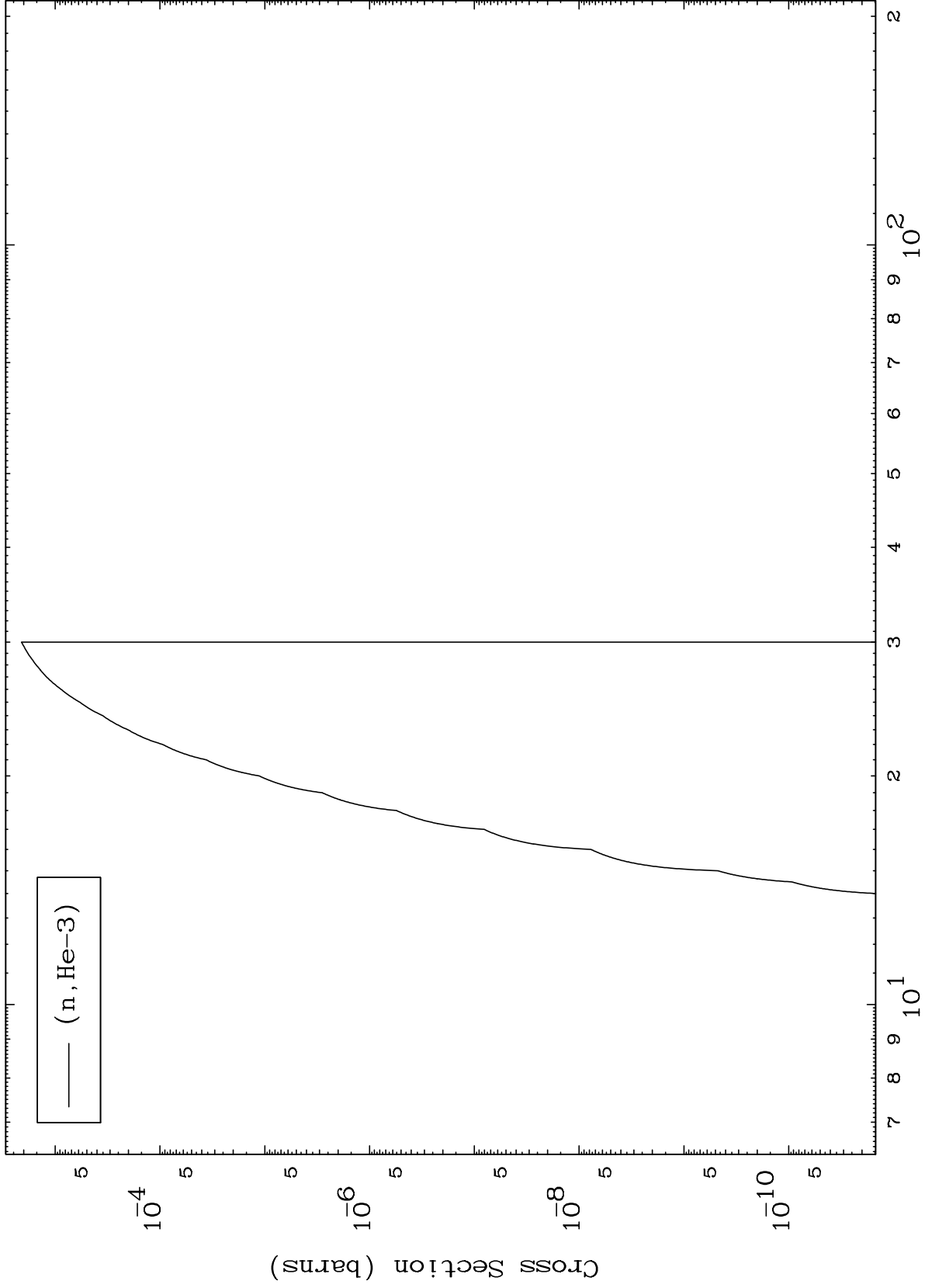
51-Sb-118



12

Incident Energy (MeV)

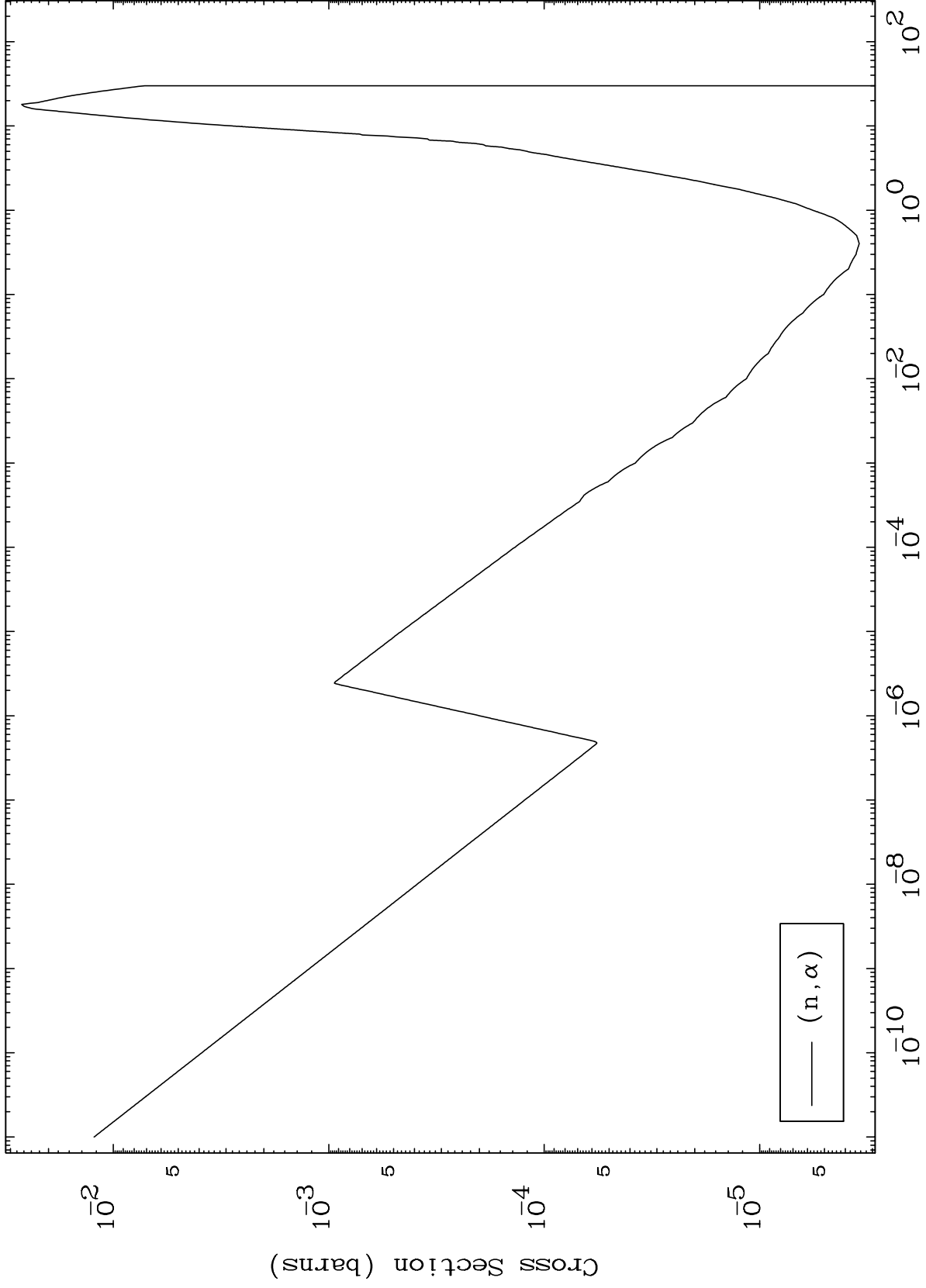
51-Sb-118



MAT 5116

(n,α) Levels
293 Kelvin Cross Sections

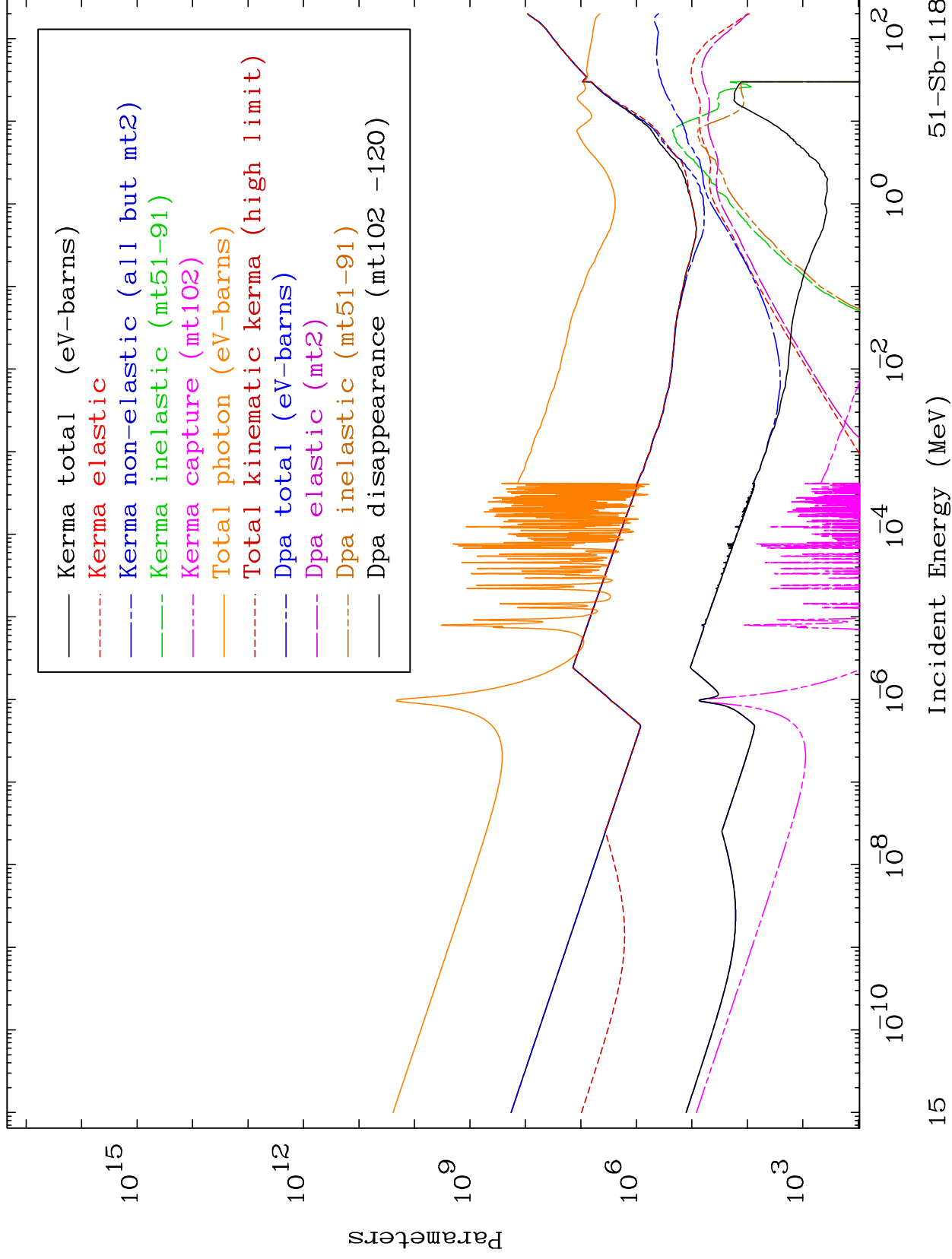
51-Sb-118



14

Incident Energy (MeV)

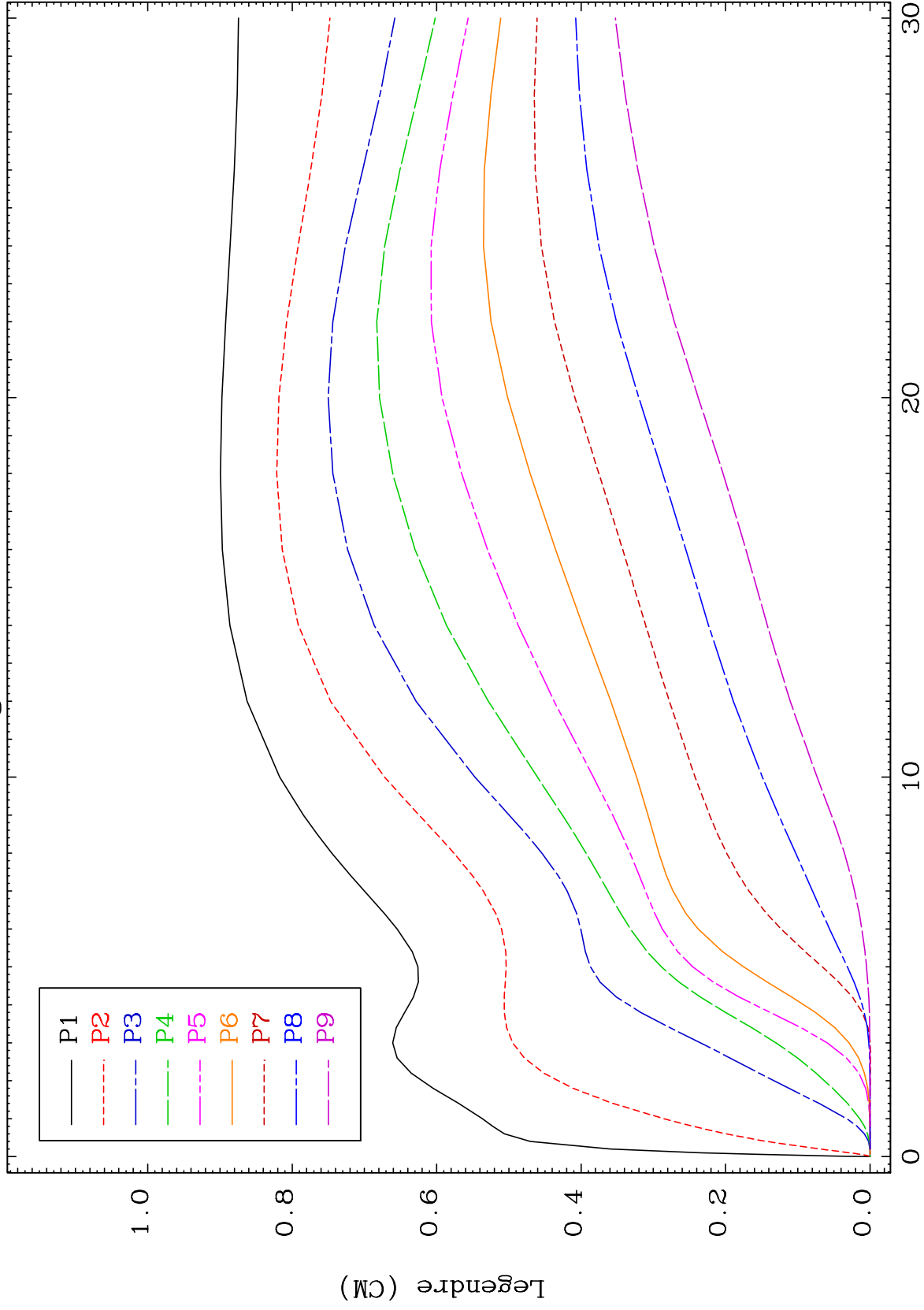
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

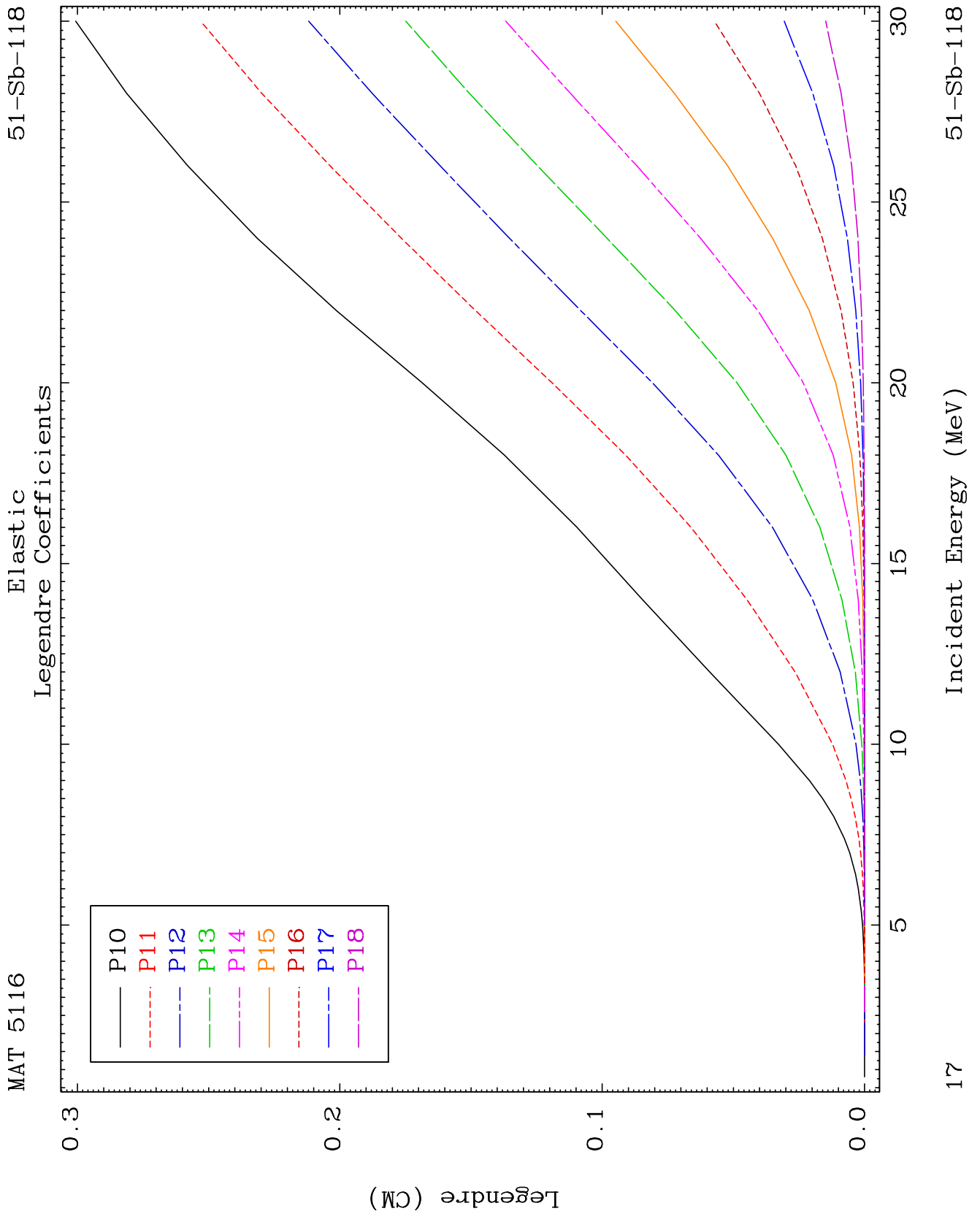
51-Sb-118



16

Incident Energy (MeV)

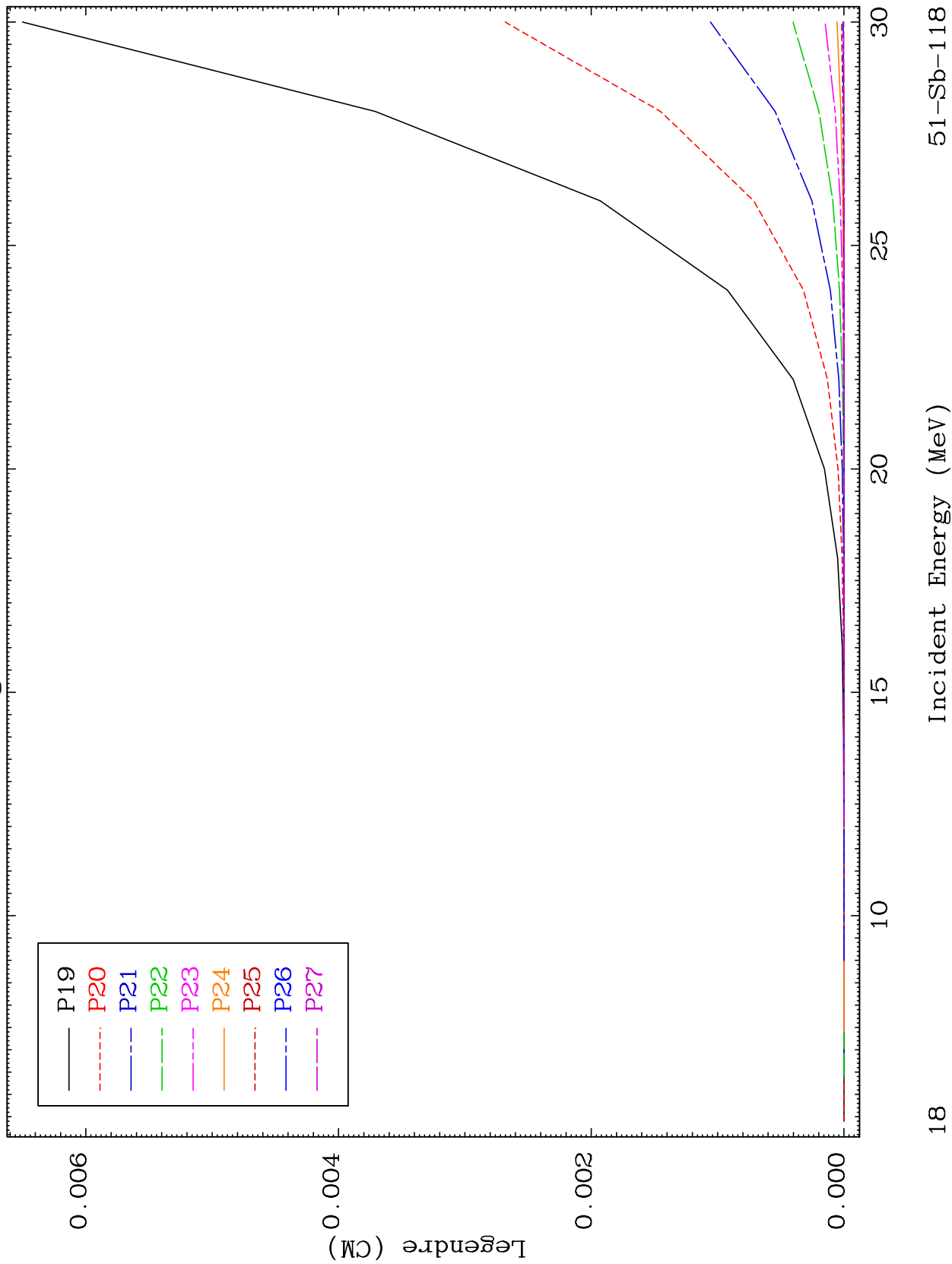
51-Sb-118



MAT 5116

Elastic Legendre Coefficients

51-Sb-118



18

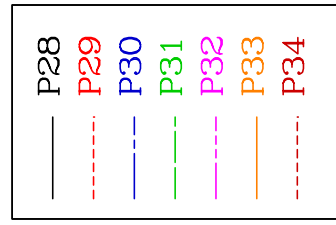
Incident Energy (MeV)

51-Sb-118

MAT 5116

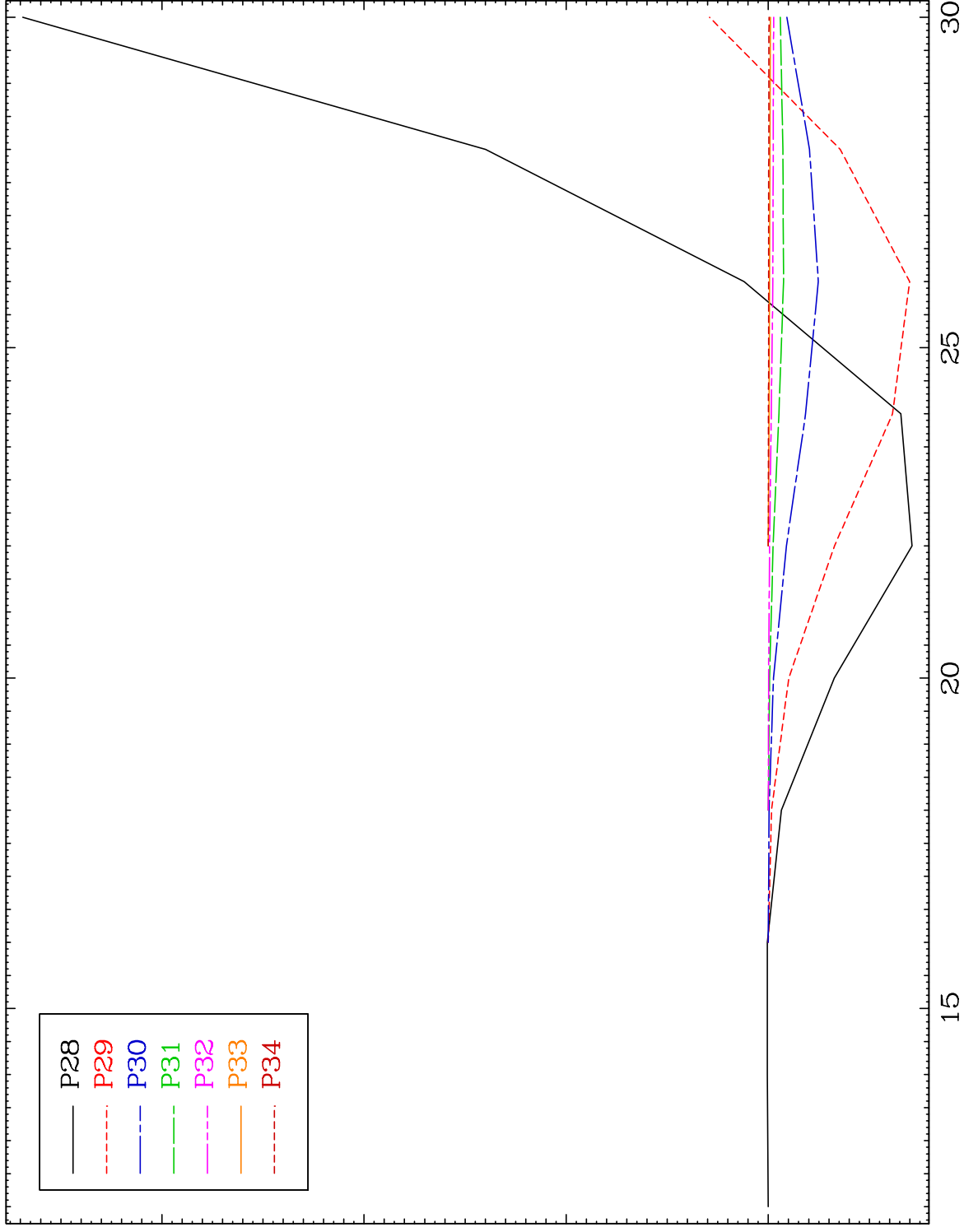
Elastic
Legendre Coefficients

51-Sb-118



$\times 10^{-7}$

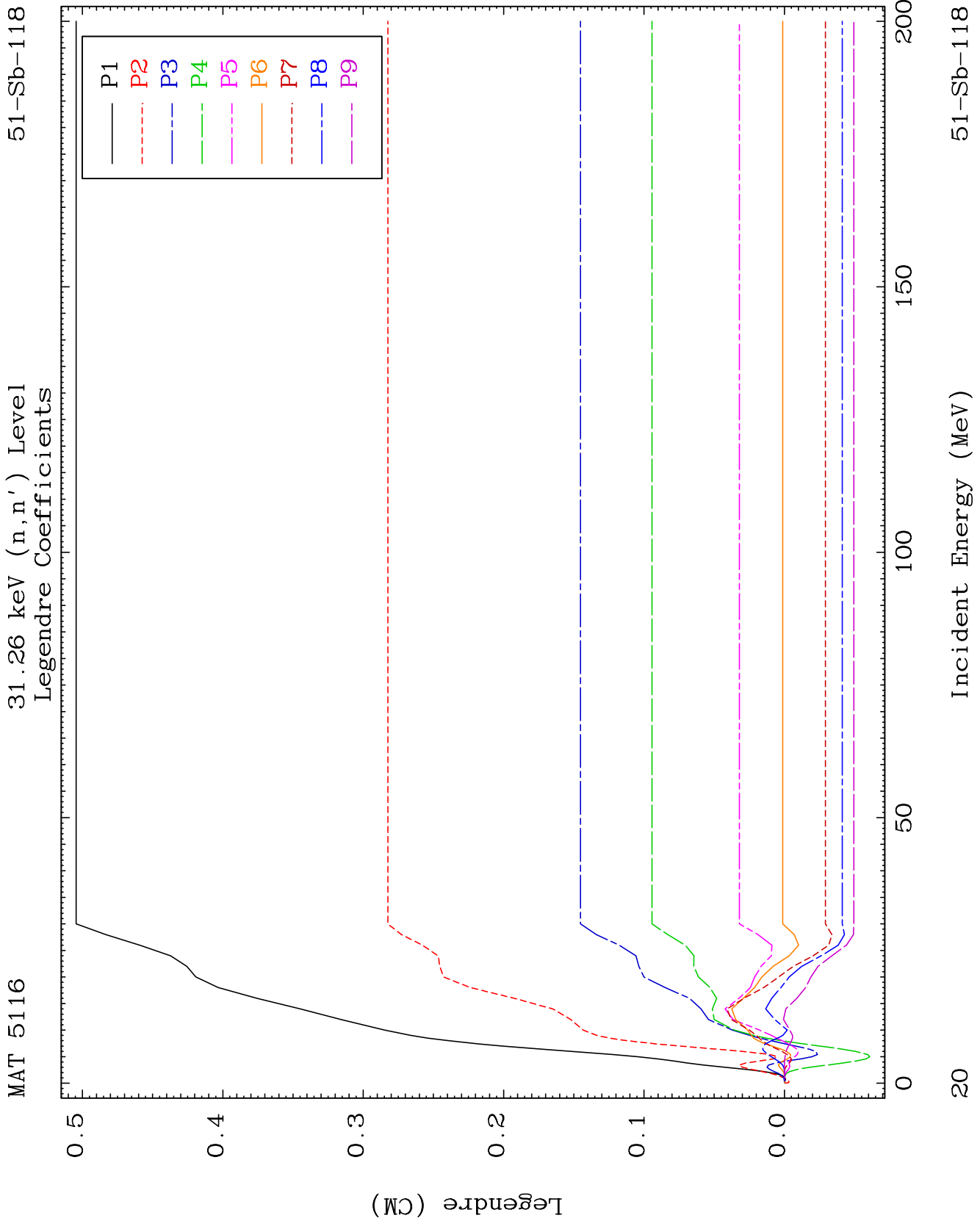
Legendre (CM)

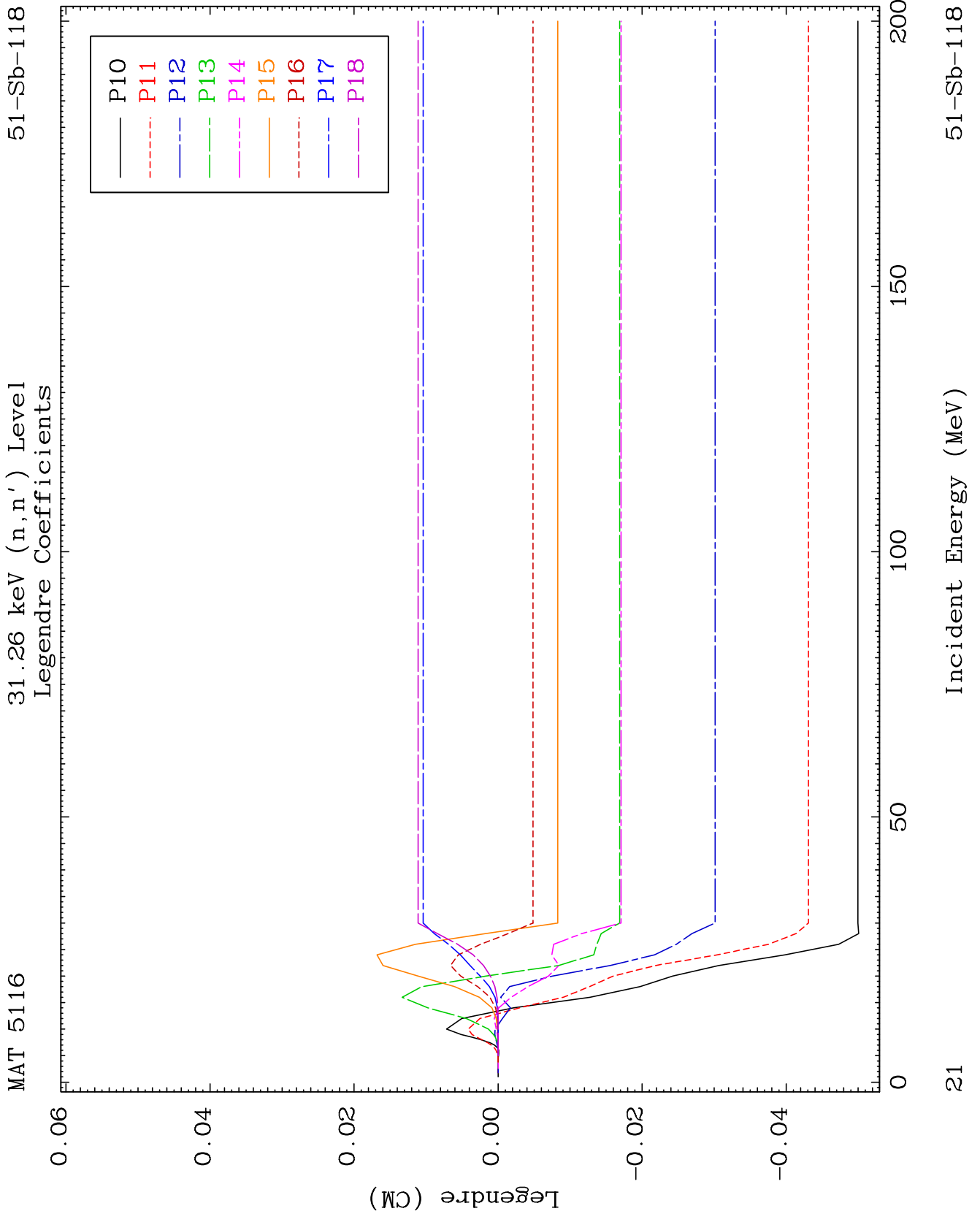


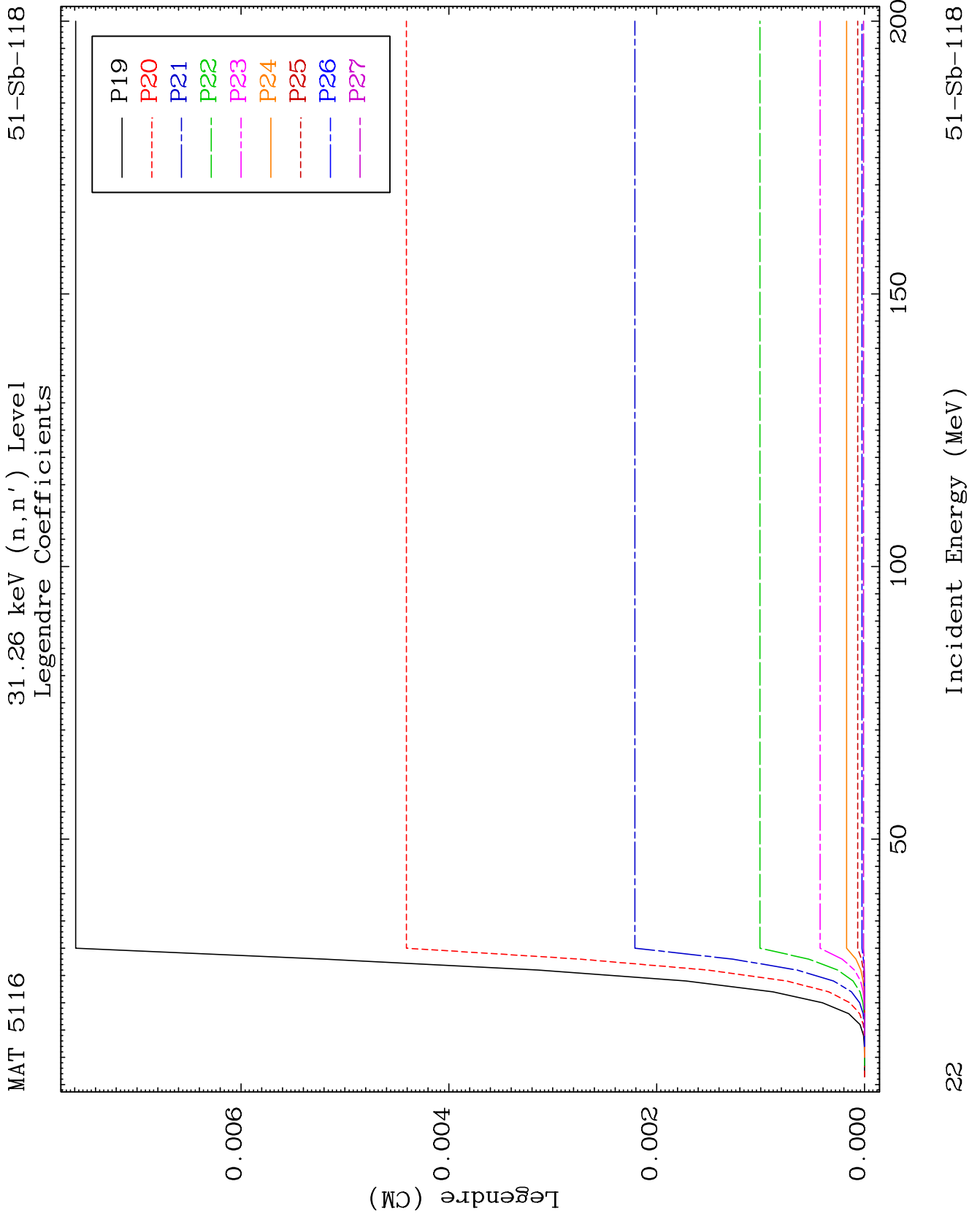
19

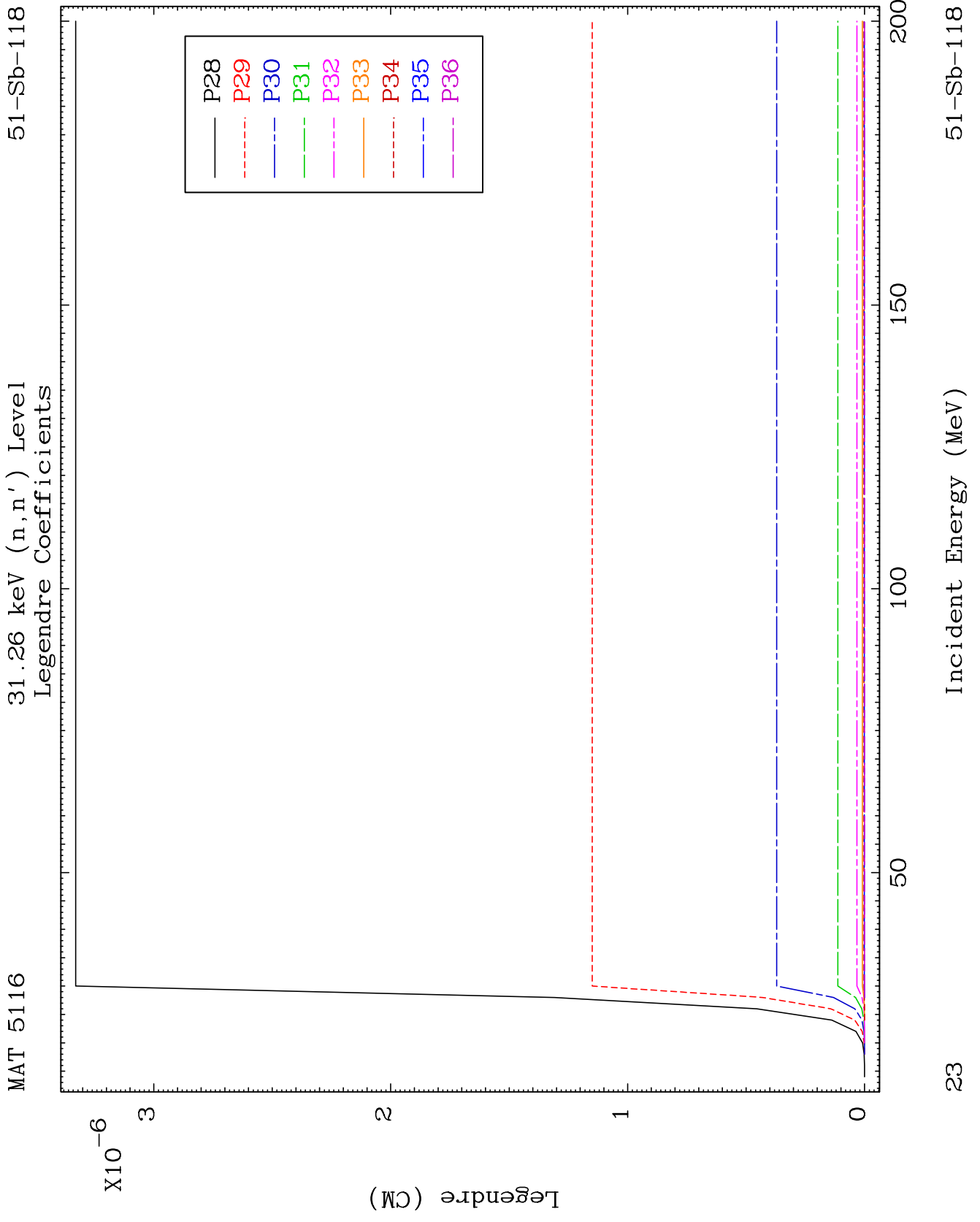
Incident Energy (MeV)

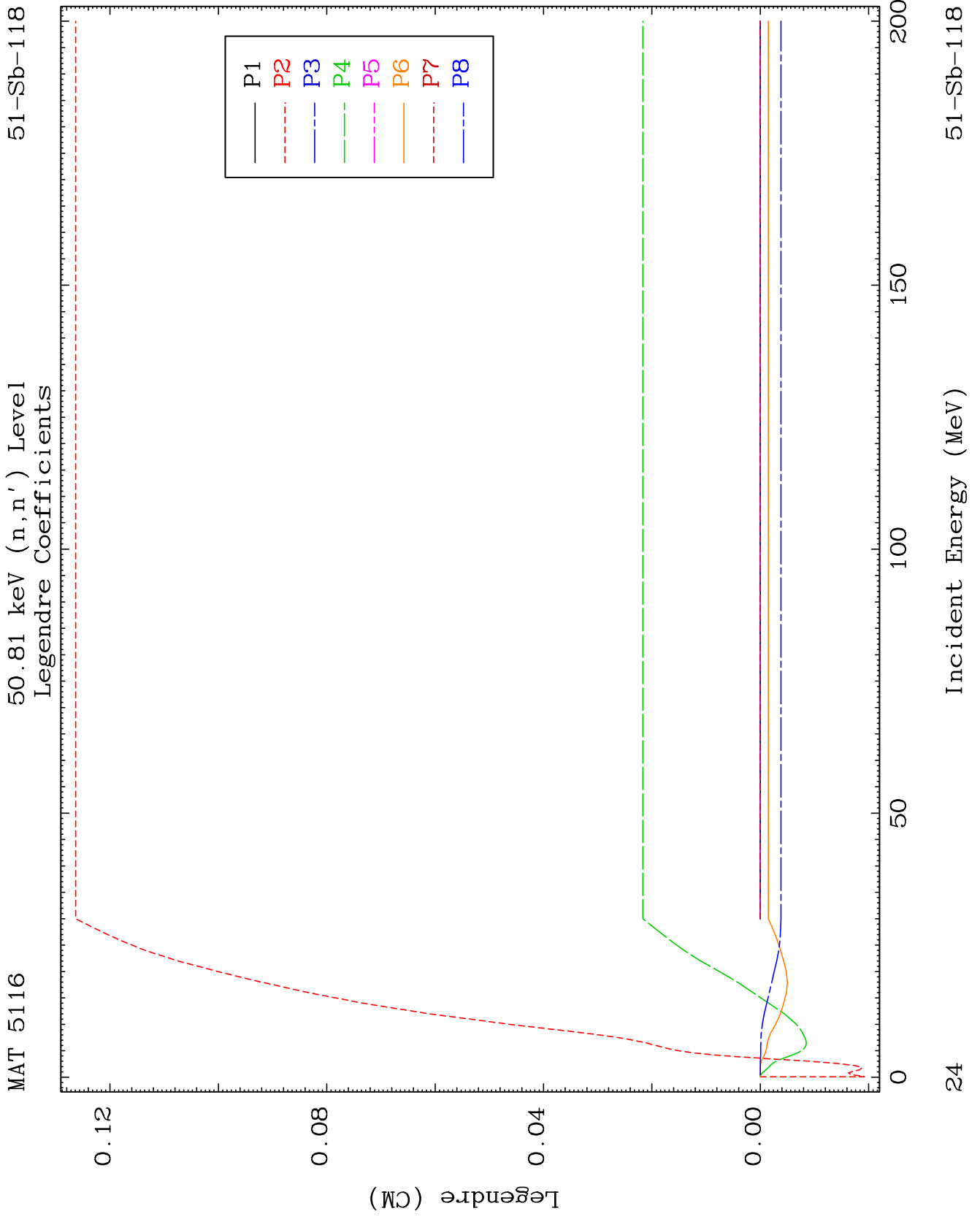
51-Sb-118

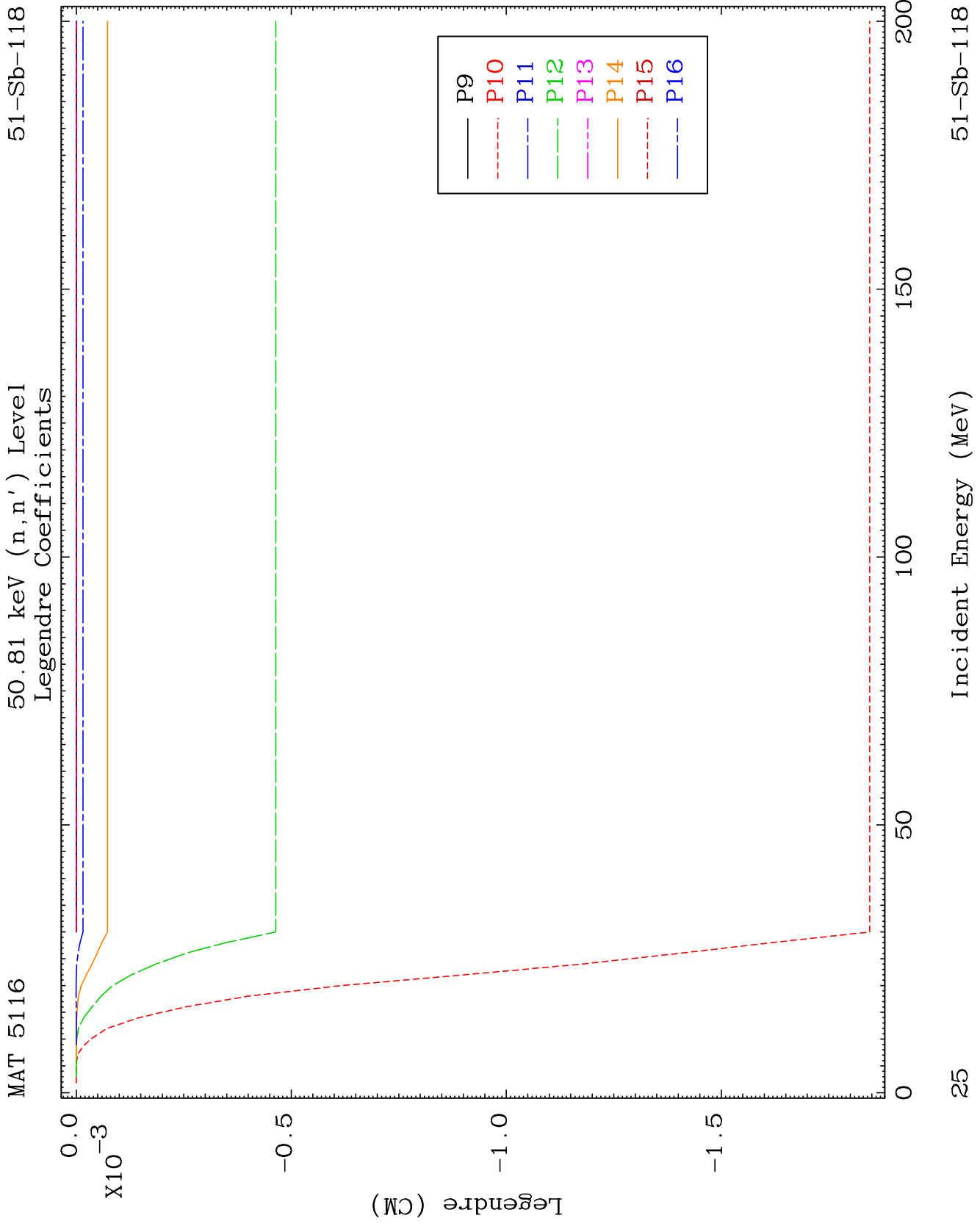


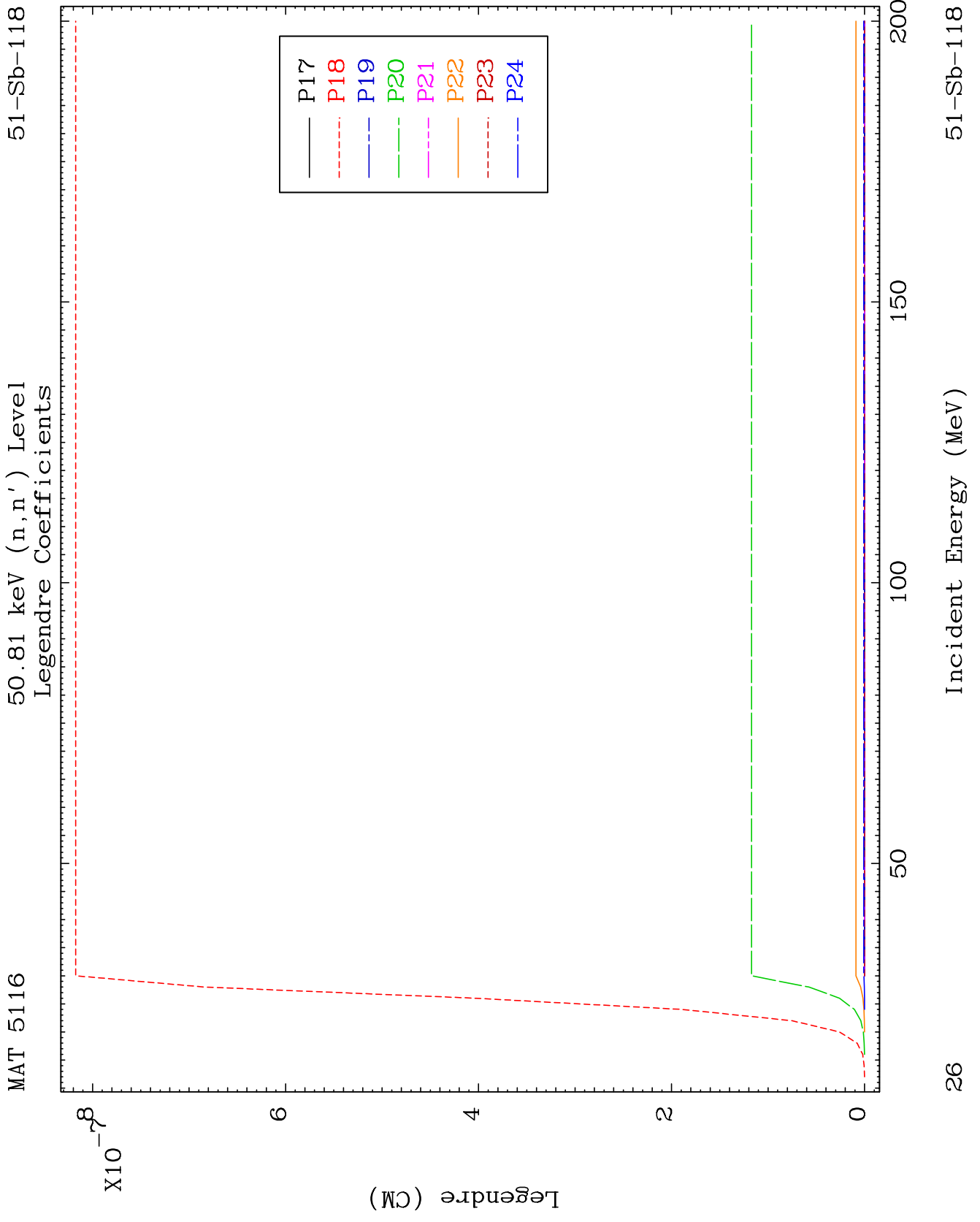


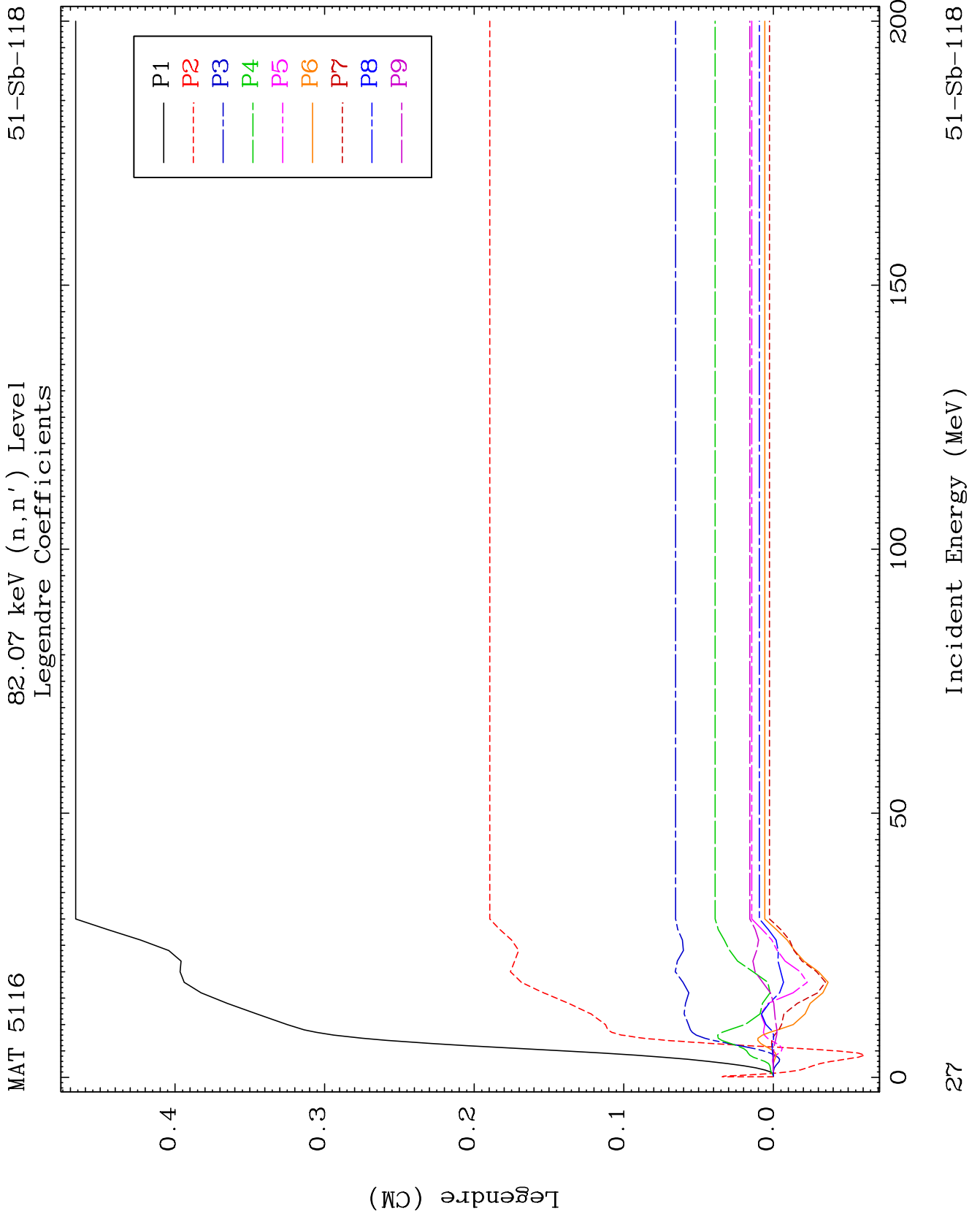


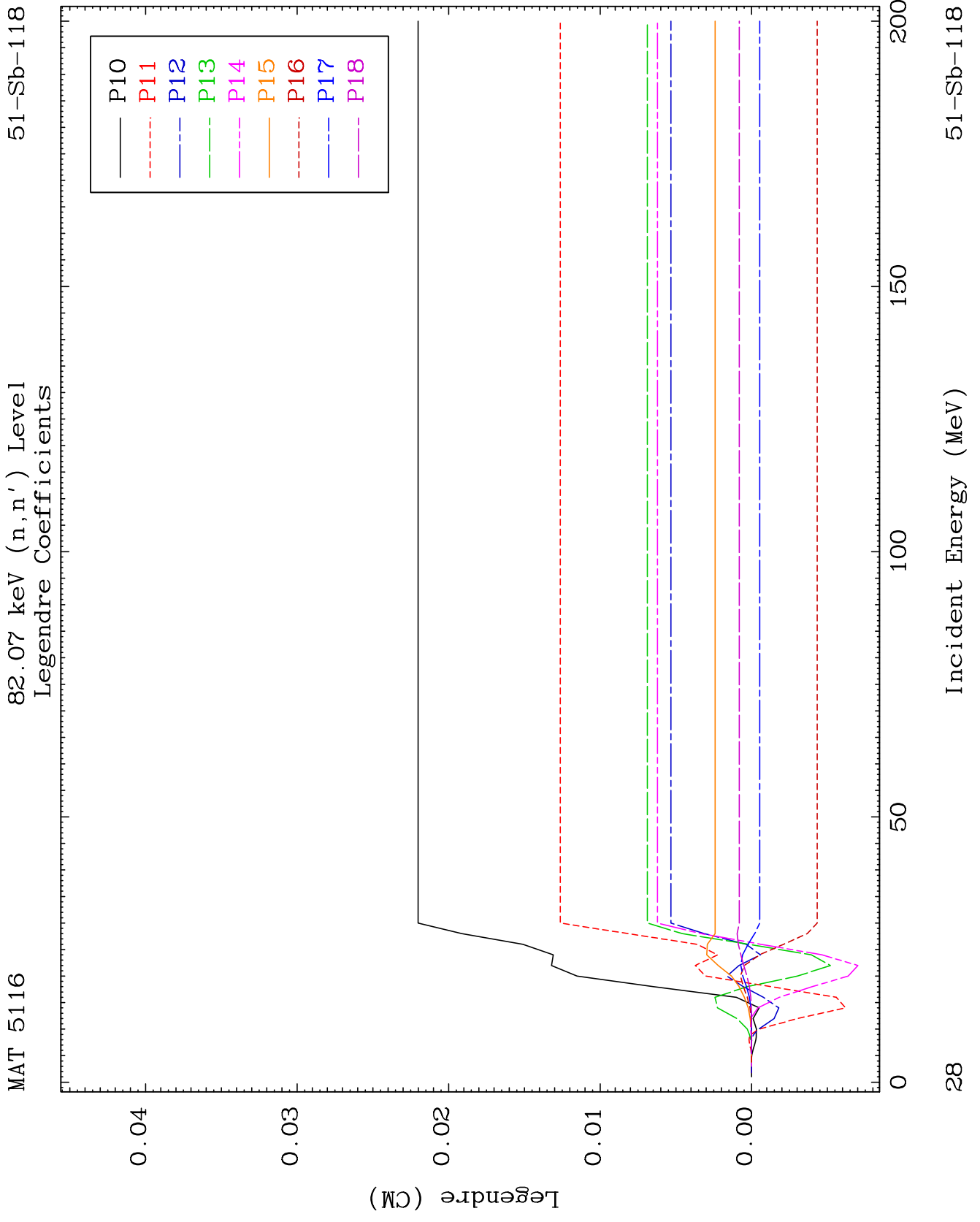








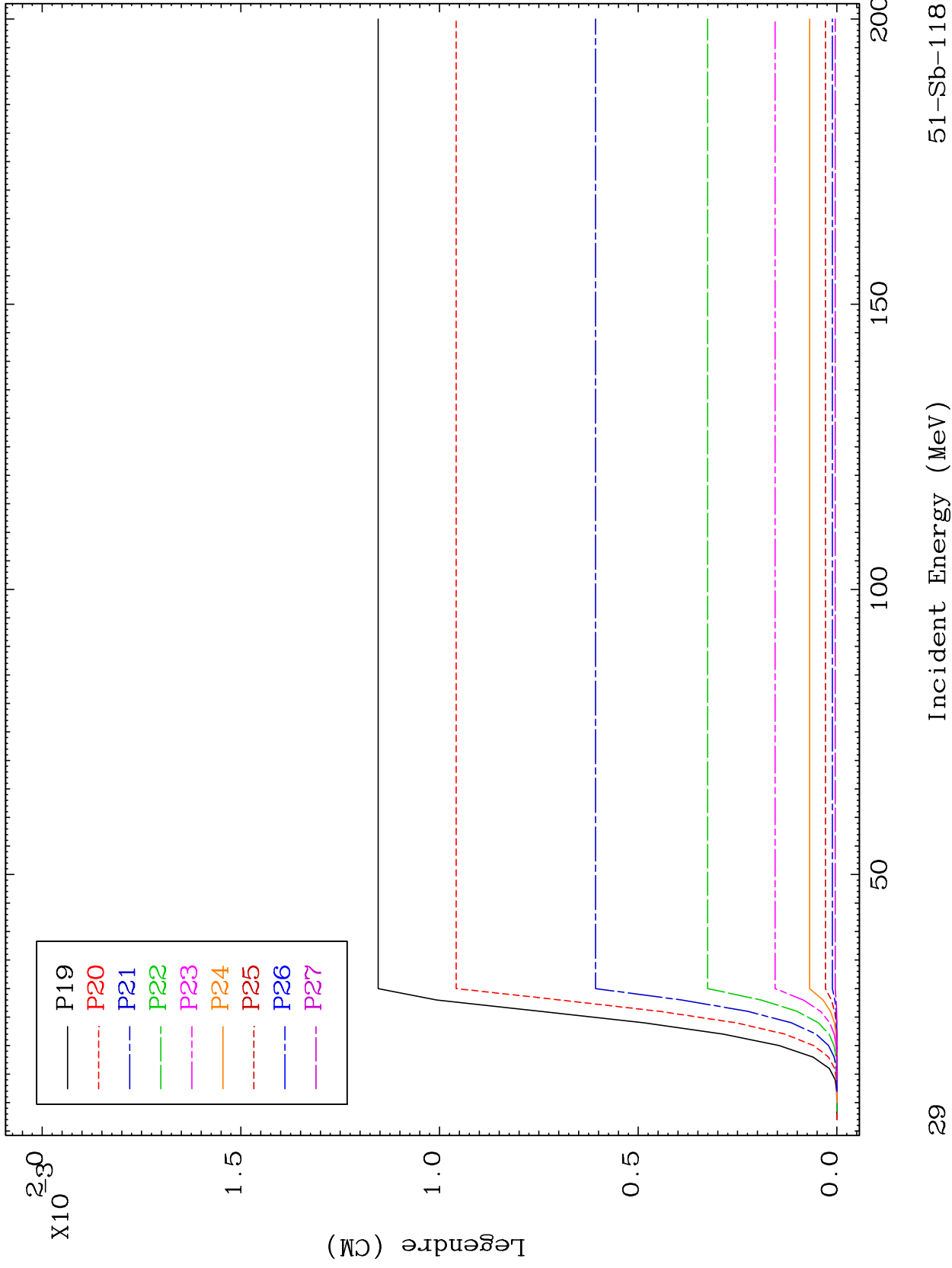




MAT 5116

82.07 keV (n,n') Level
Legendre Coefficients

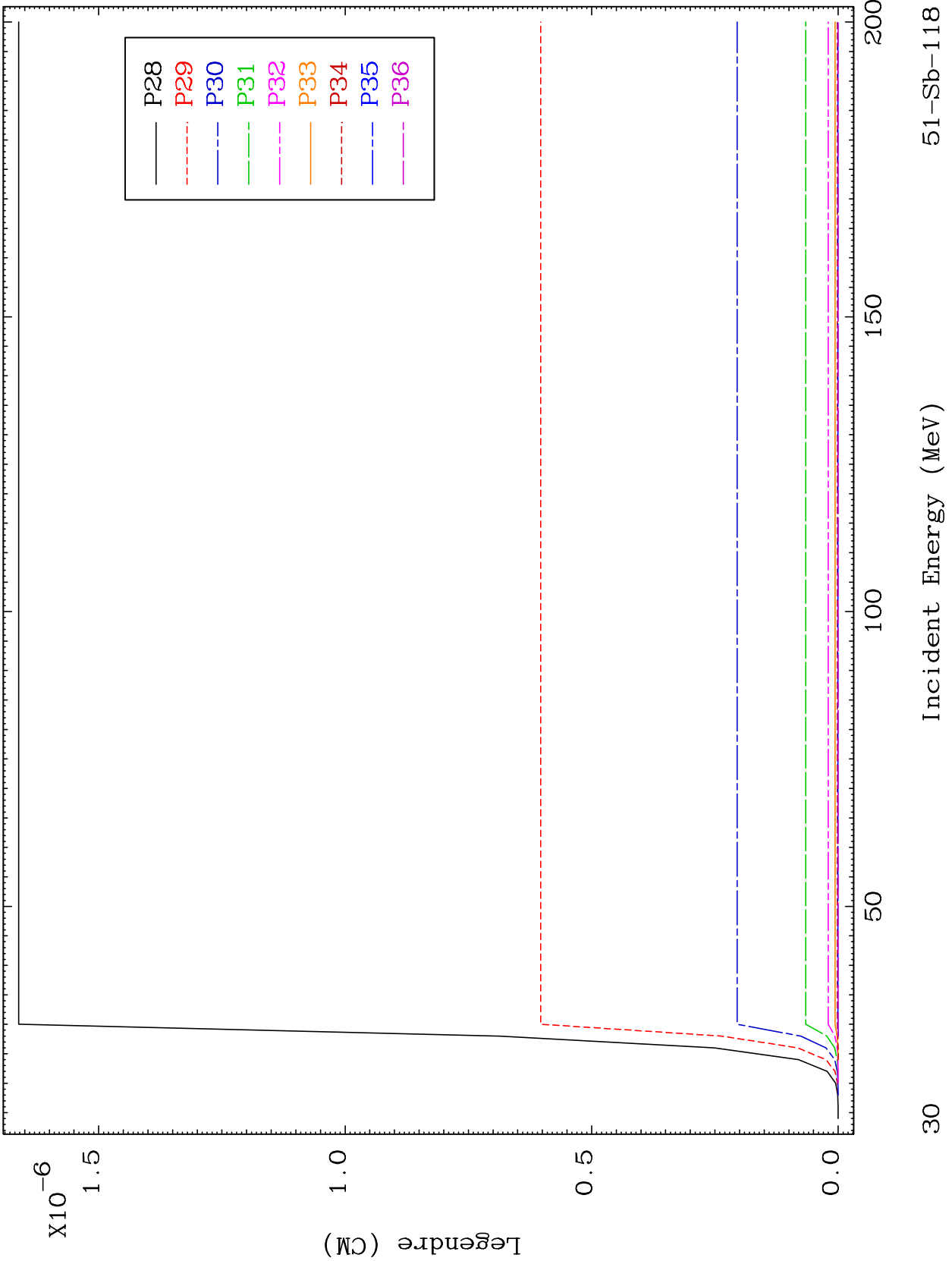
51-Sb-118

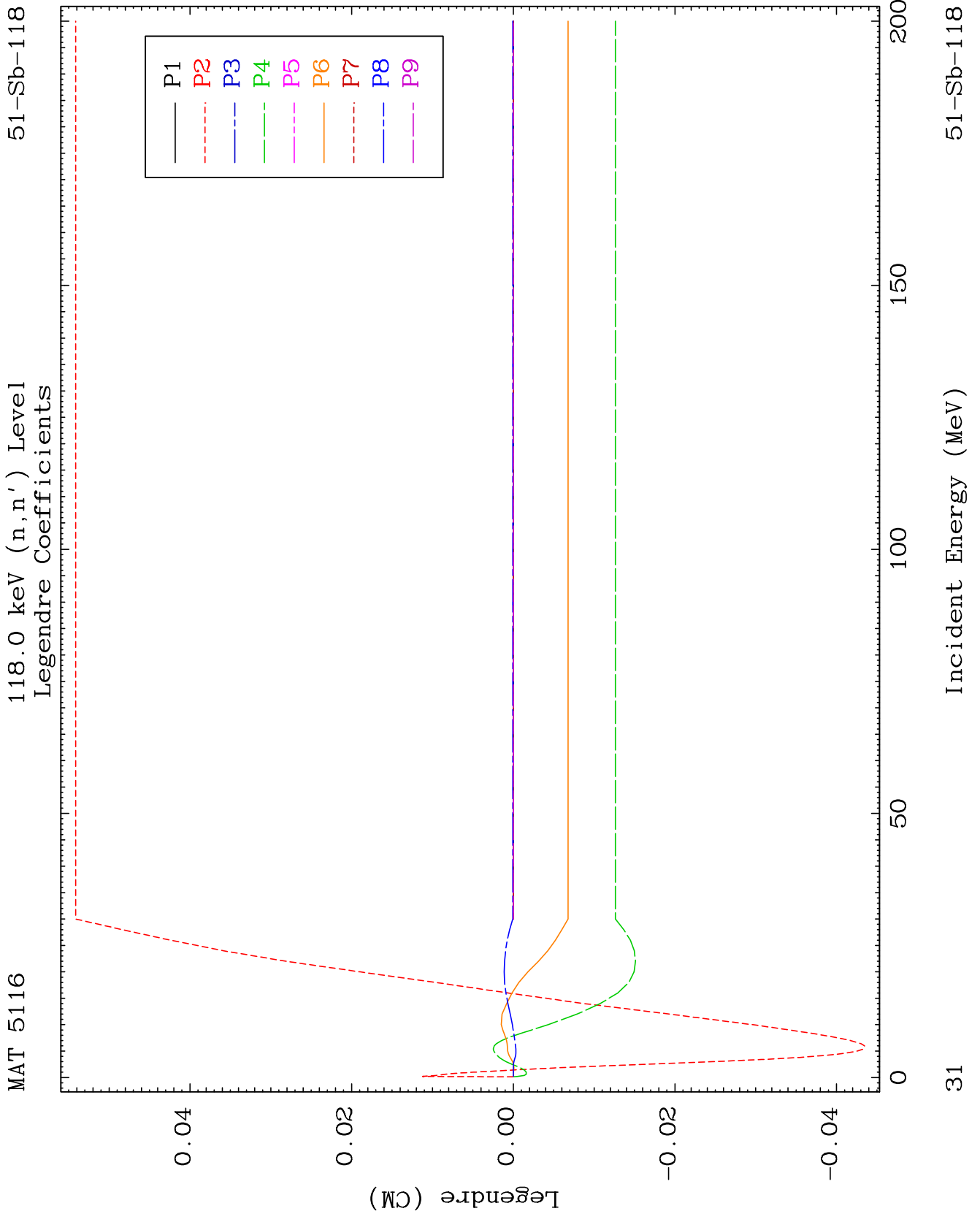


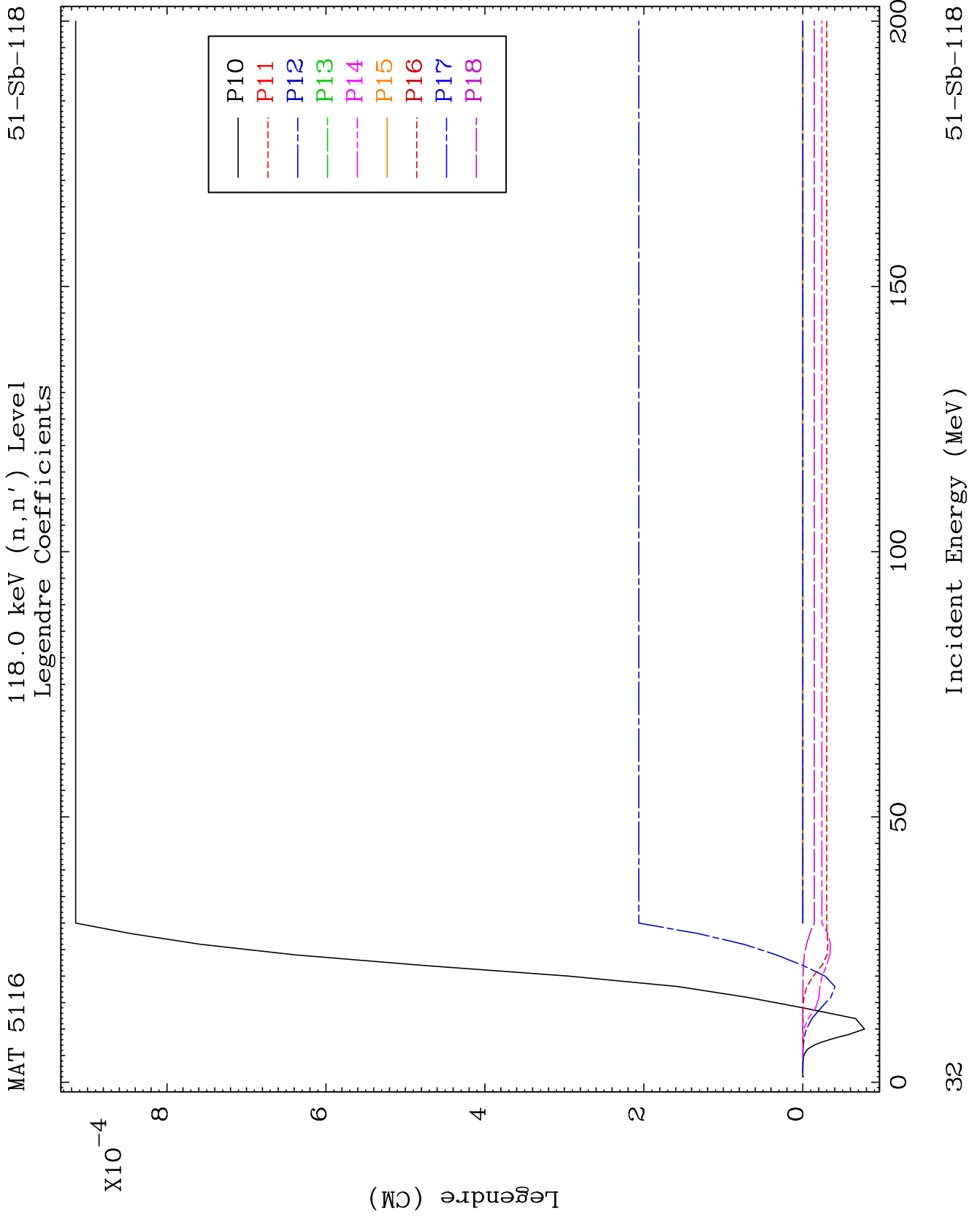
MAT 5116

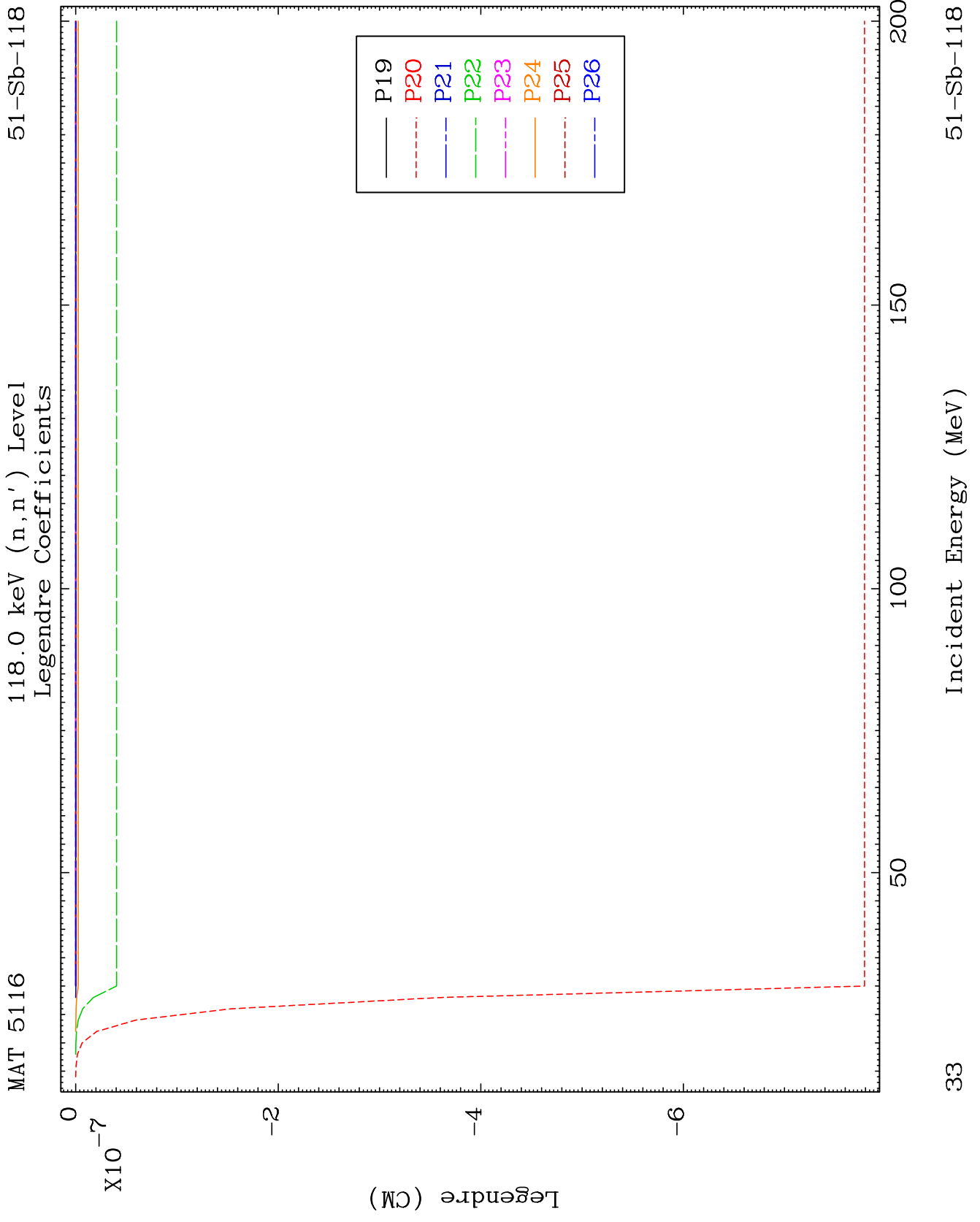
82.07 keV (n,n') Level
Legendre Coefficients

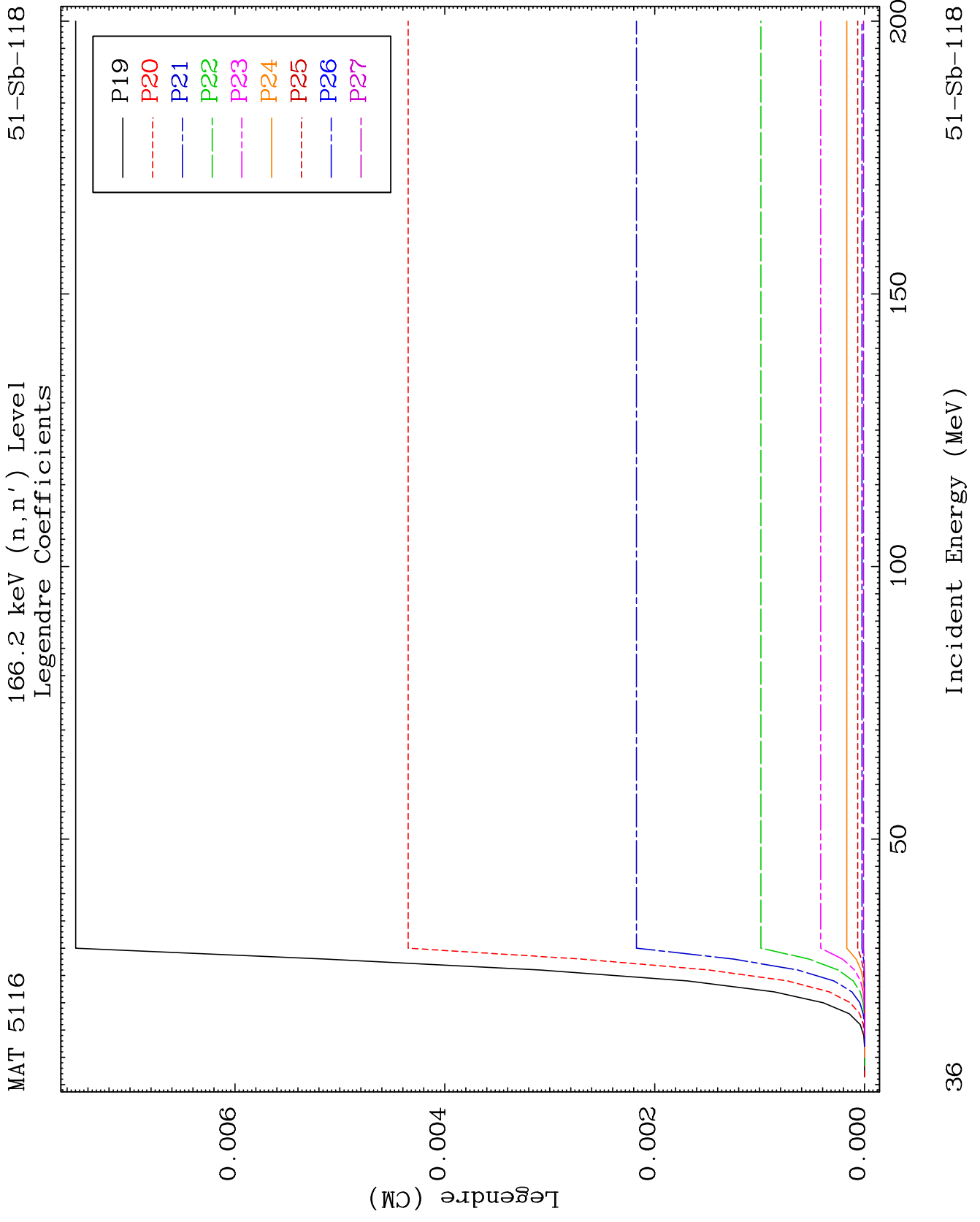
51-Sb-118

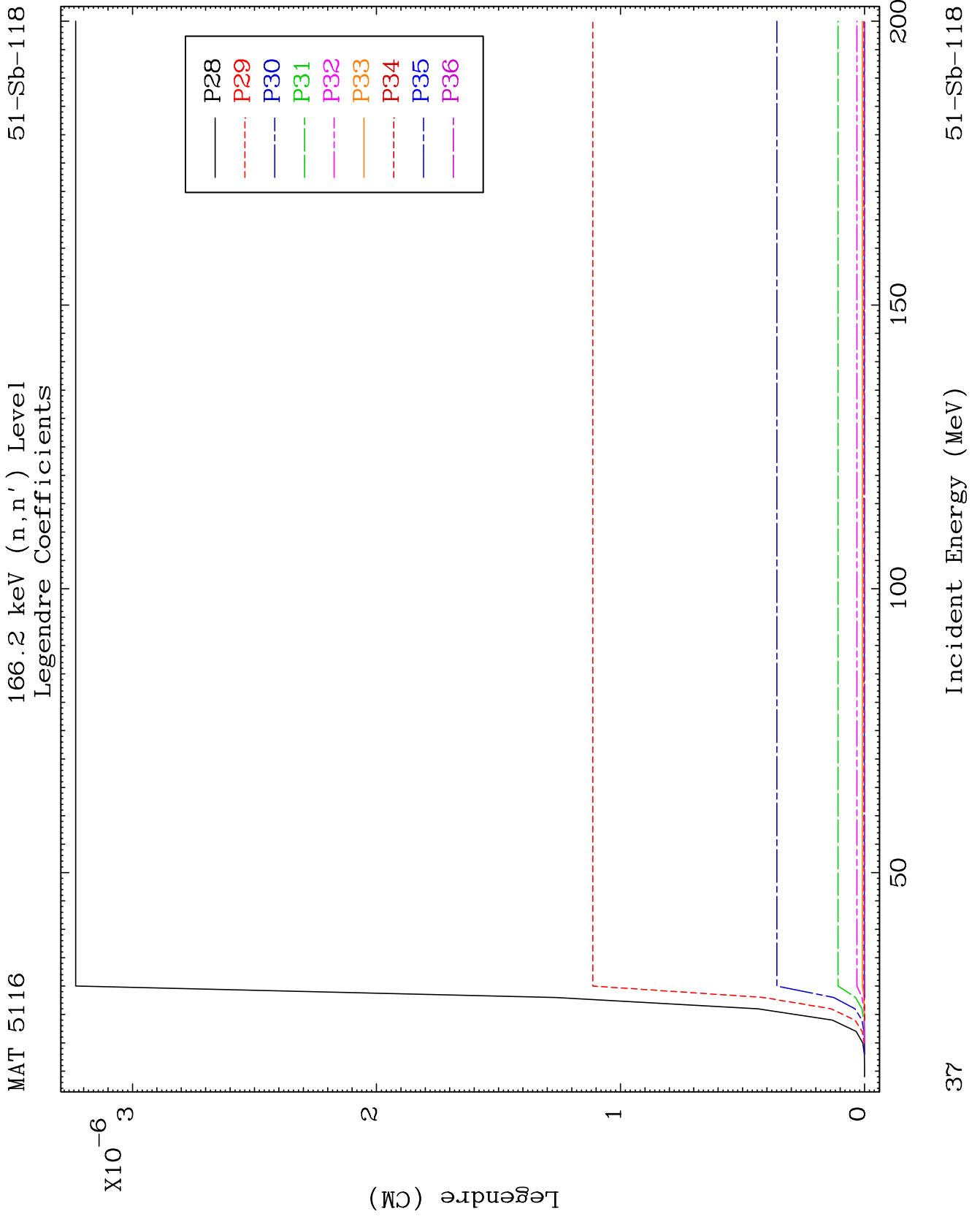


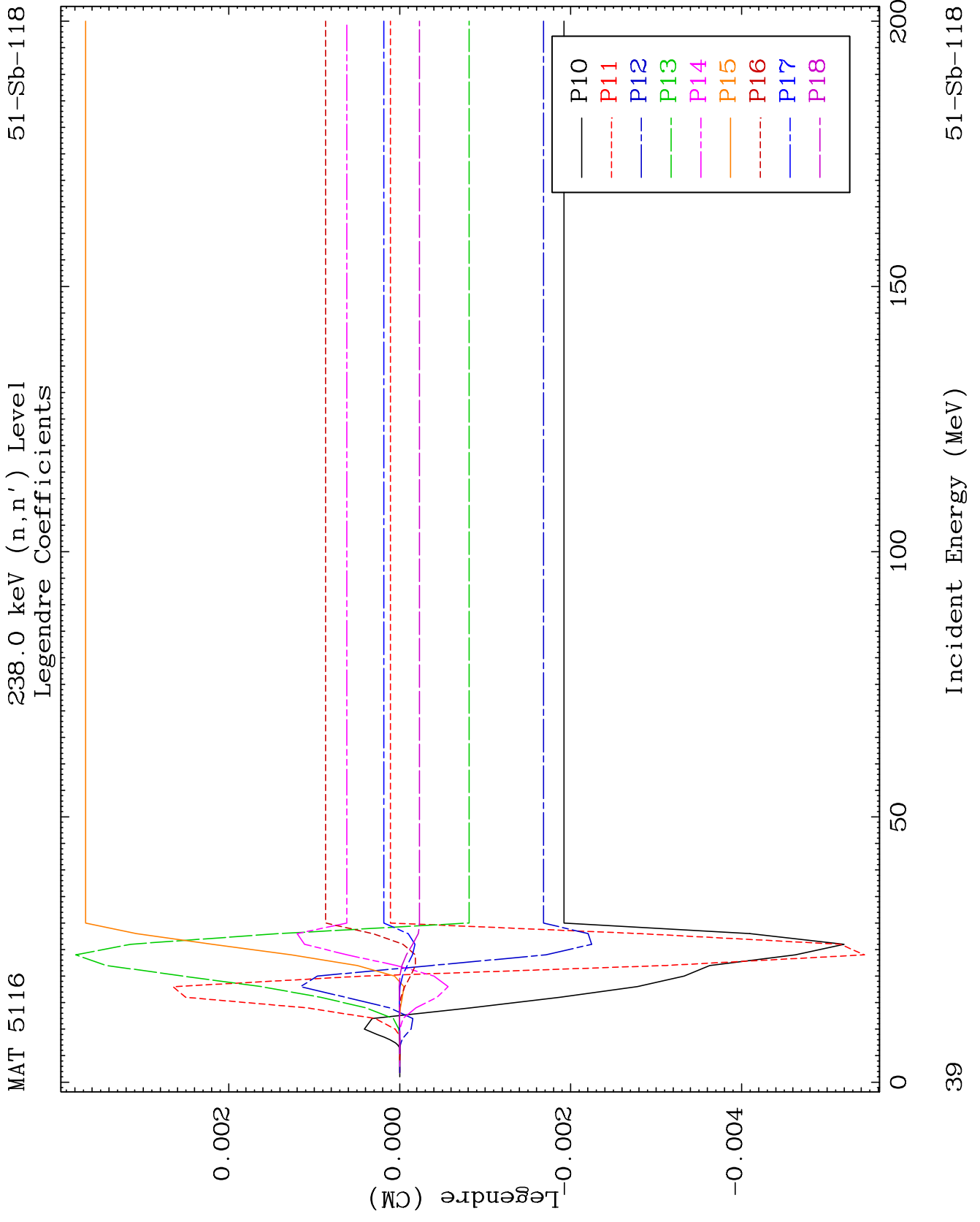


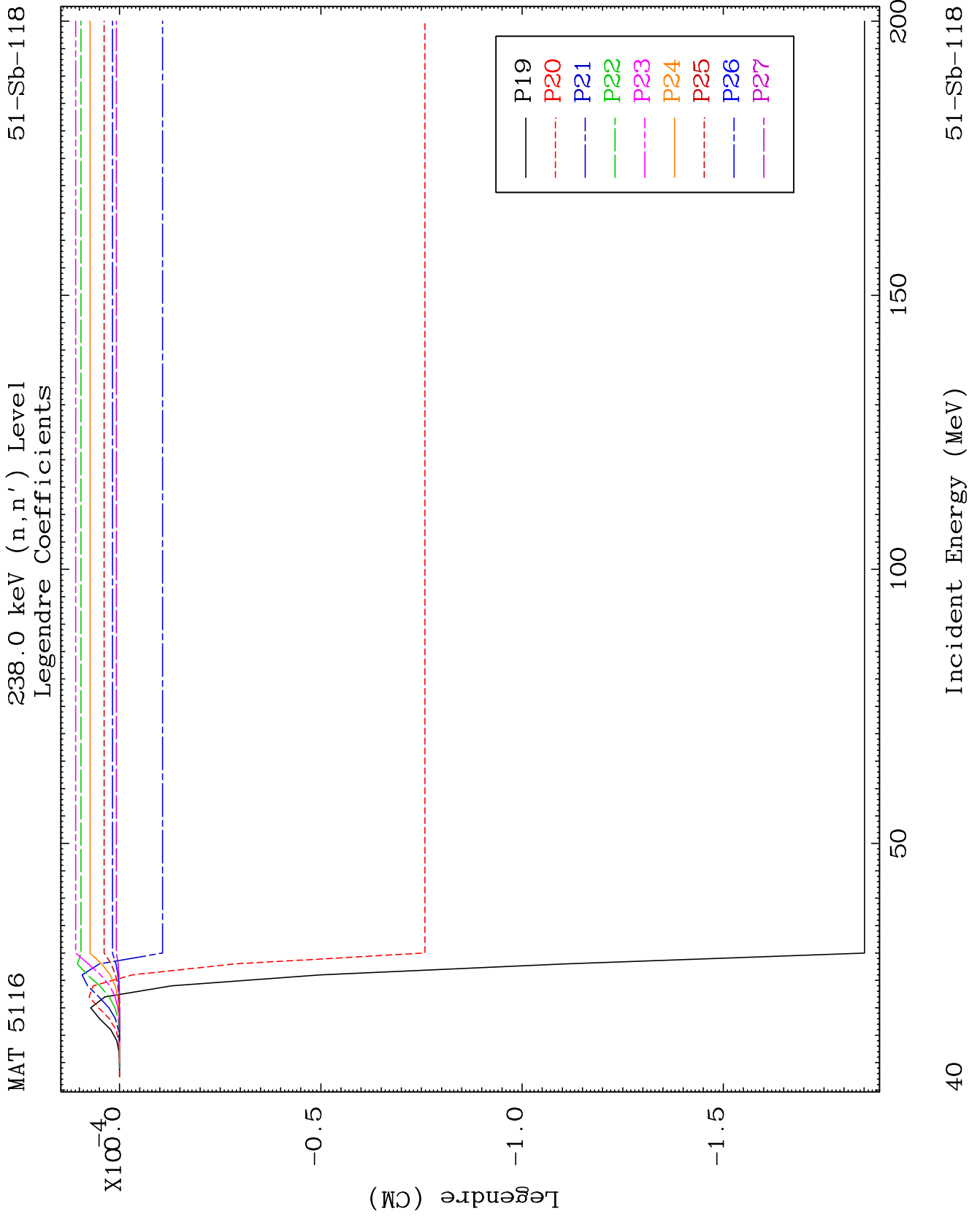








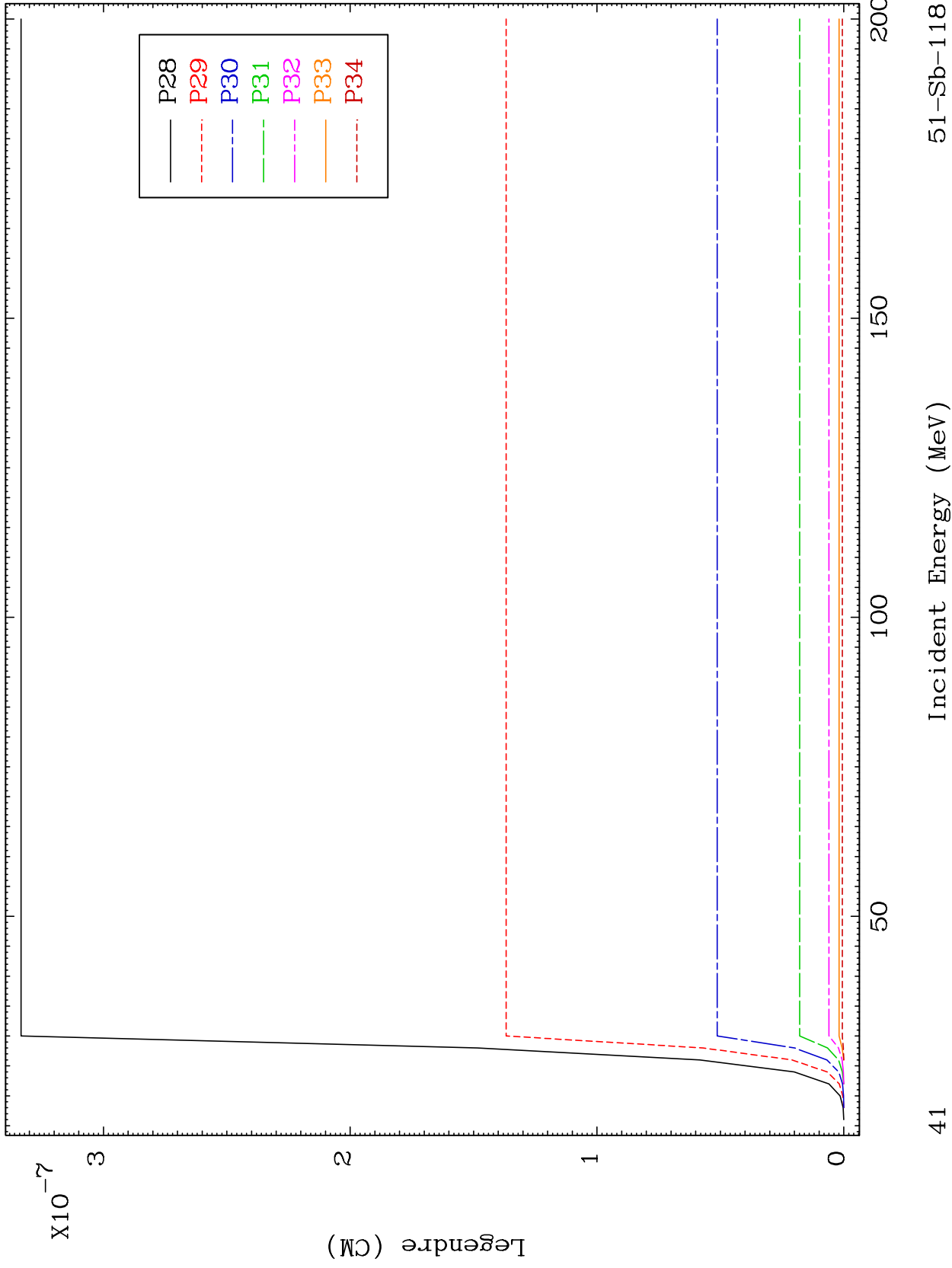




MAT 5116

238.0 keV (n,n') Level
Legendre Coefficients

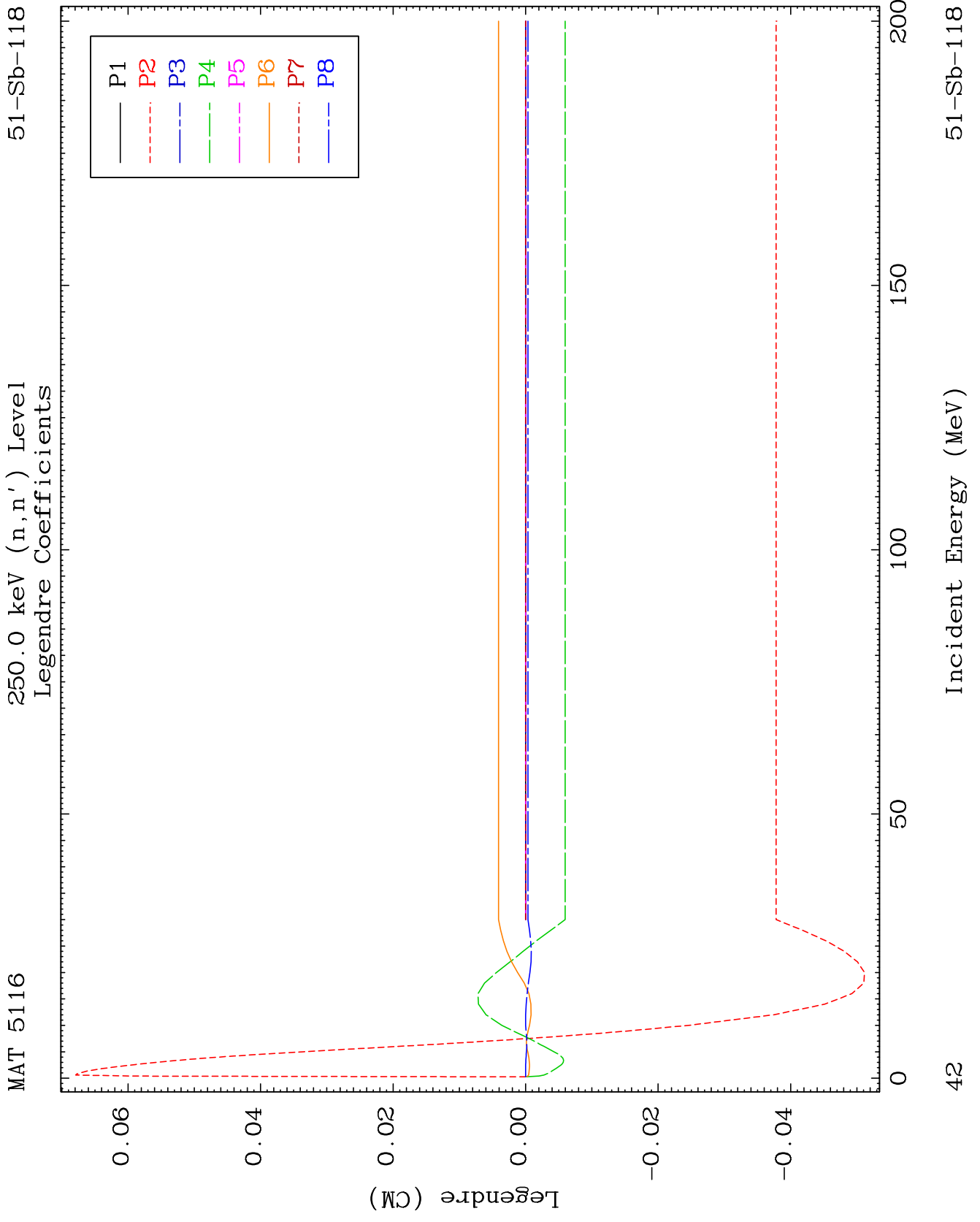
51-Sb-118

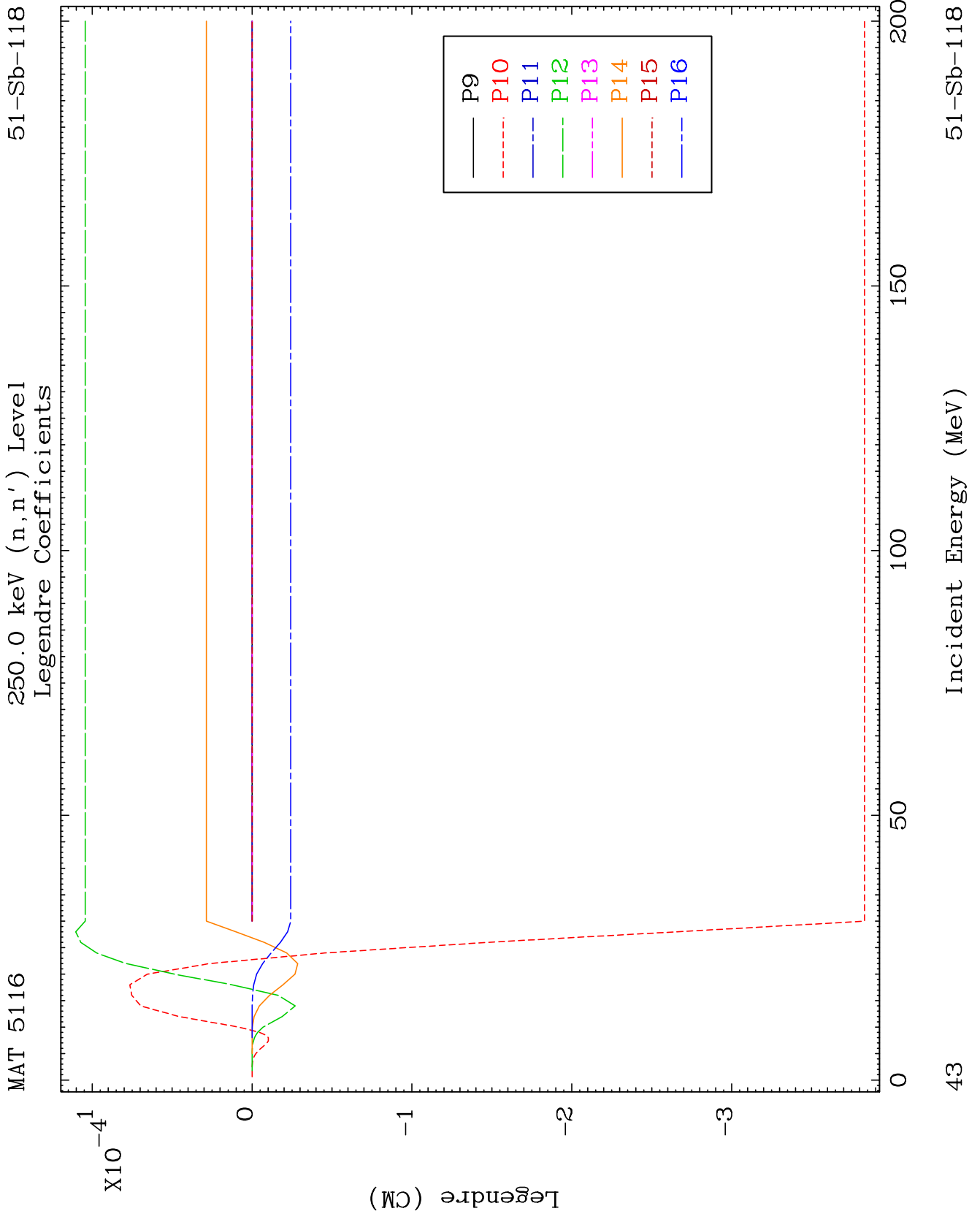


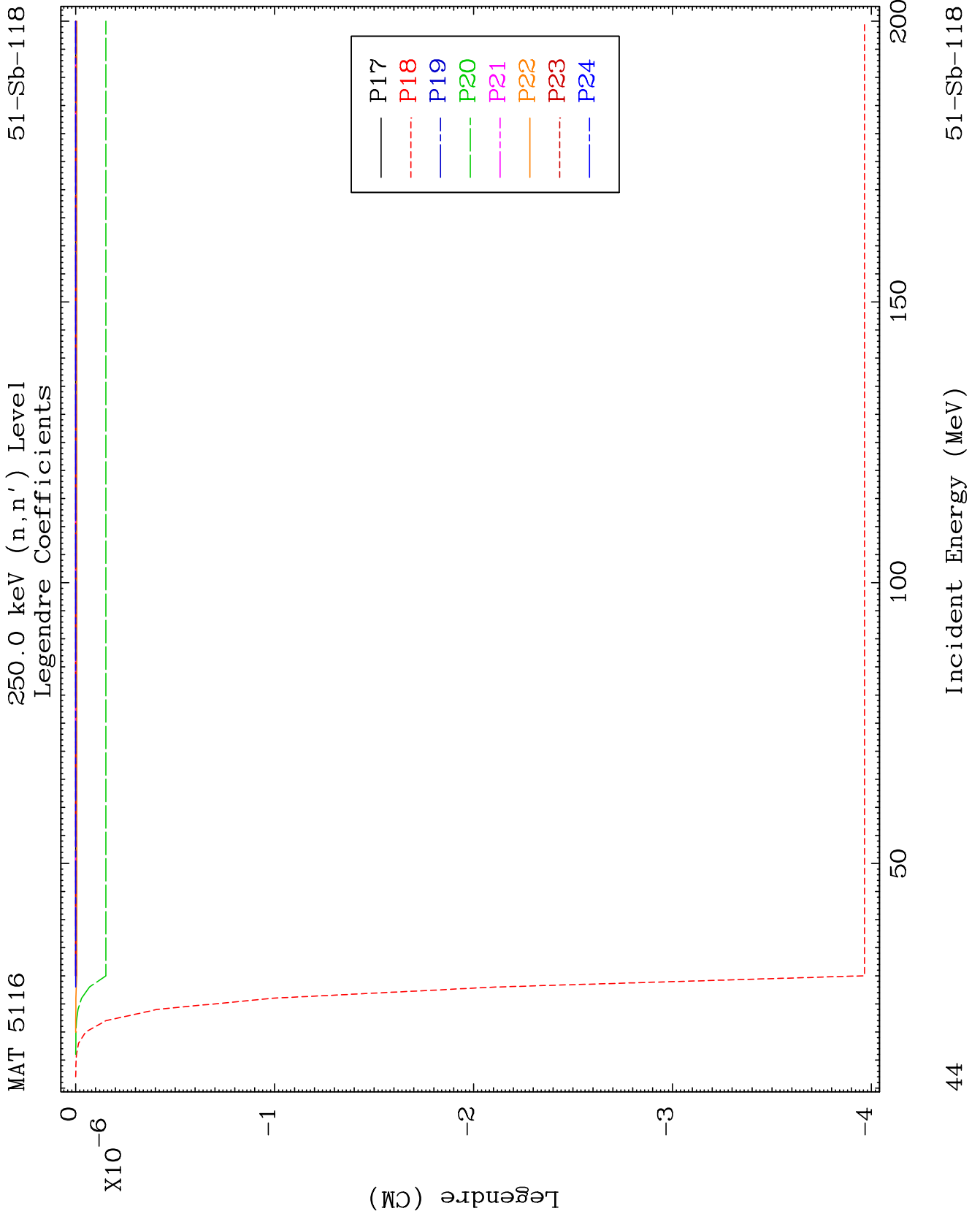
41

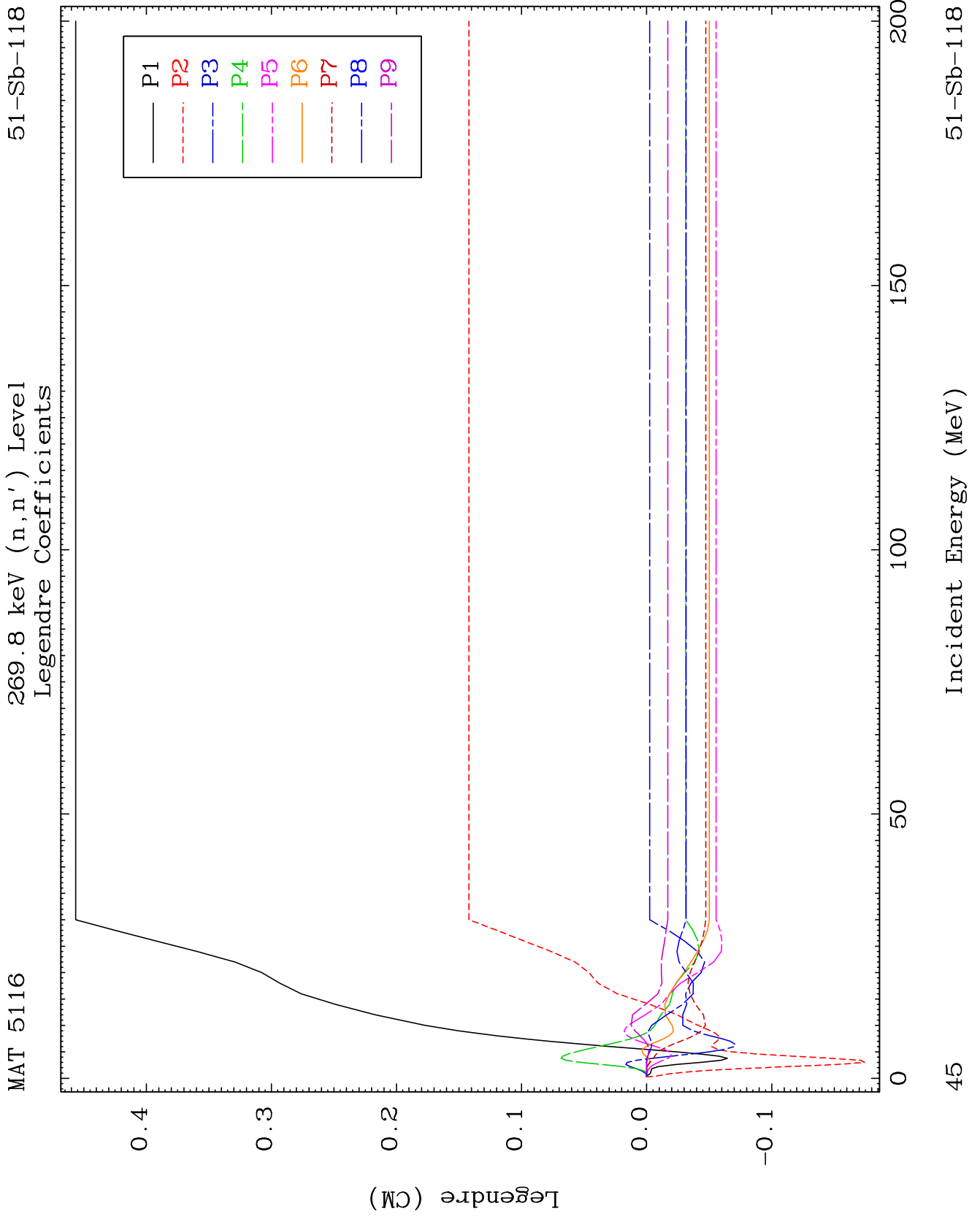
Incident Energy (MeV)

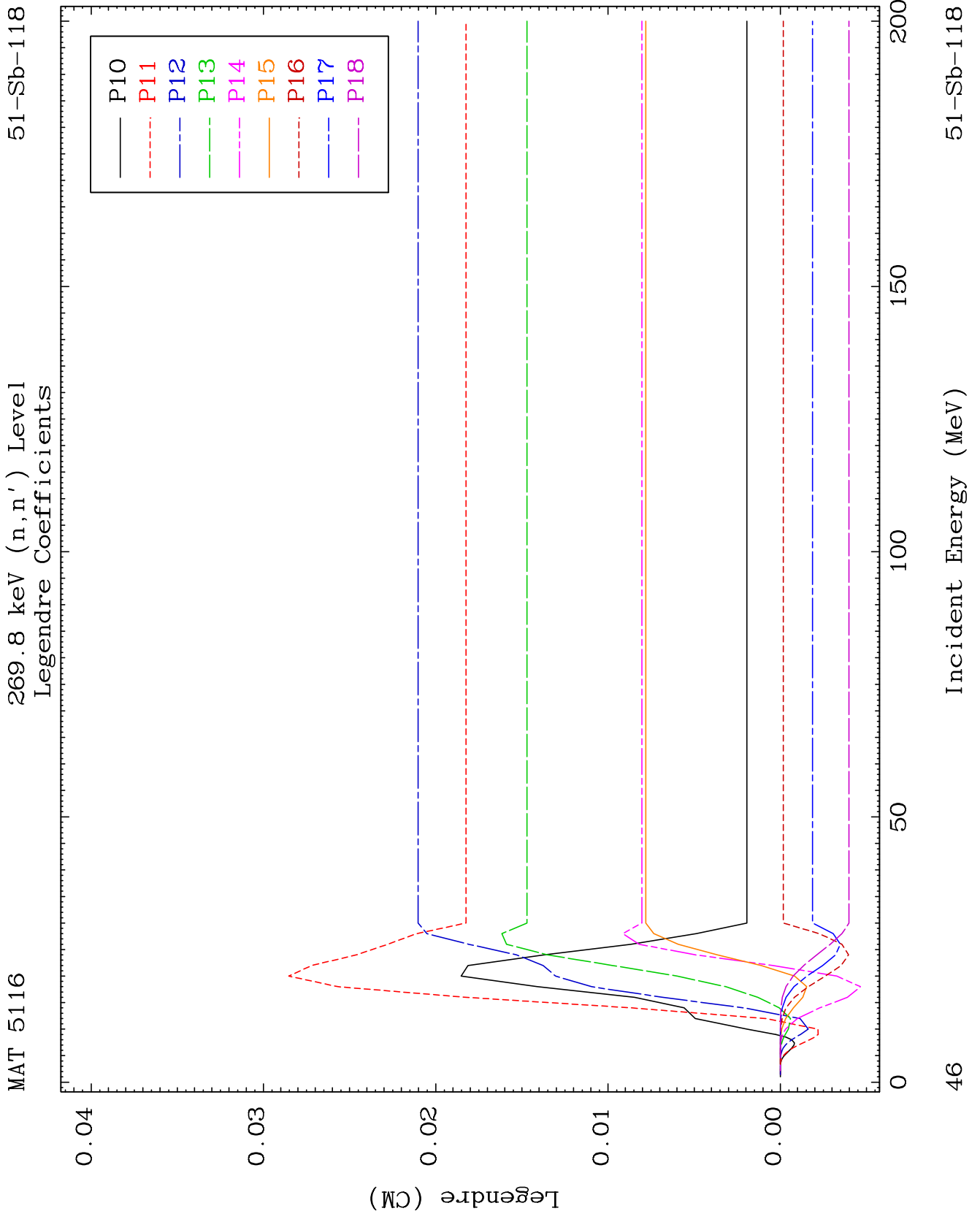
51-Sb-118







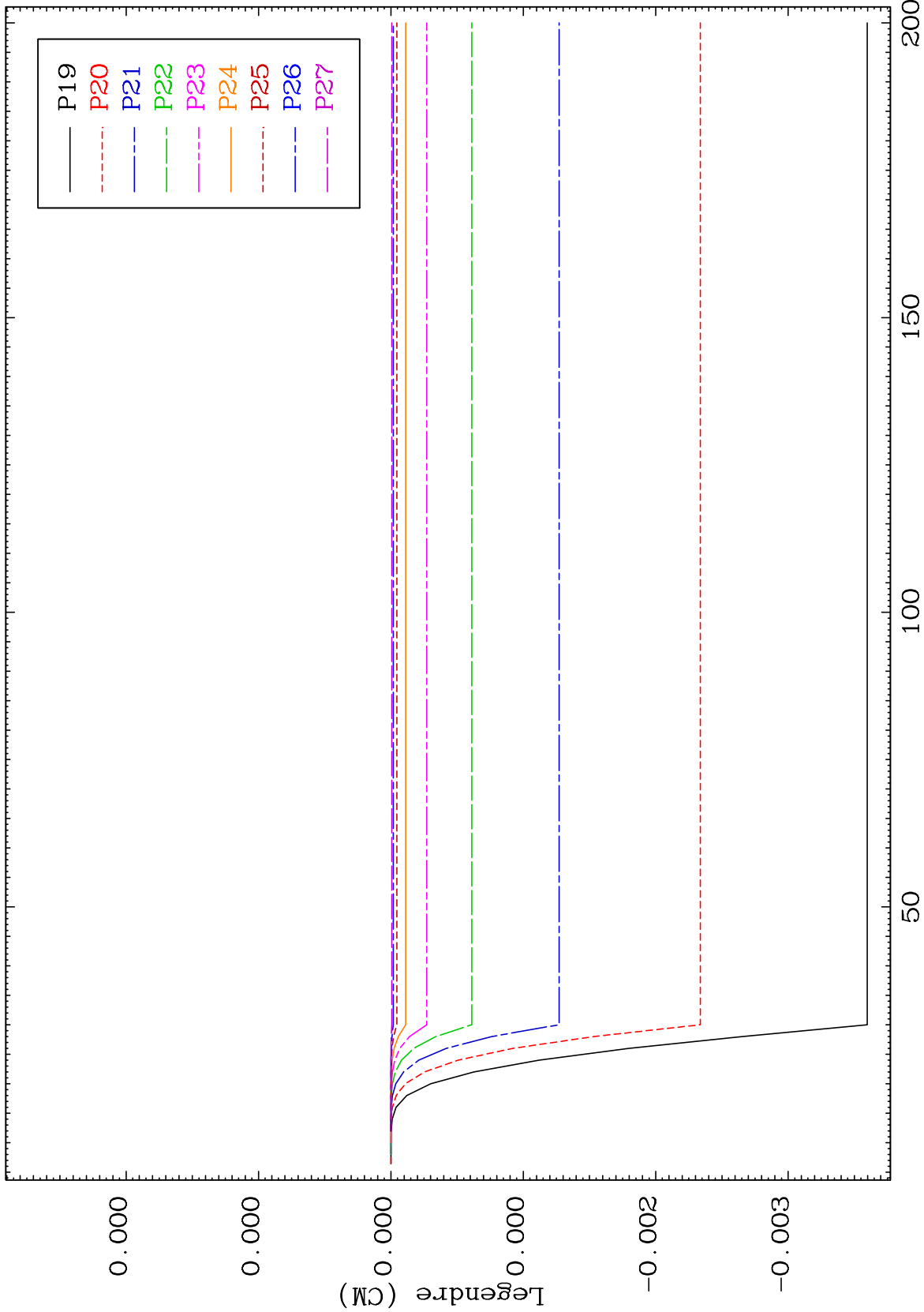


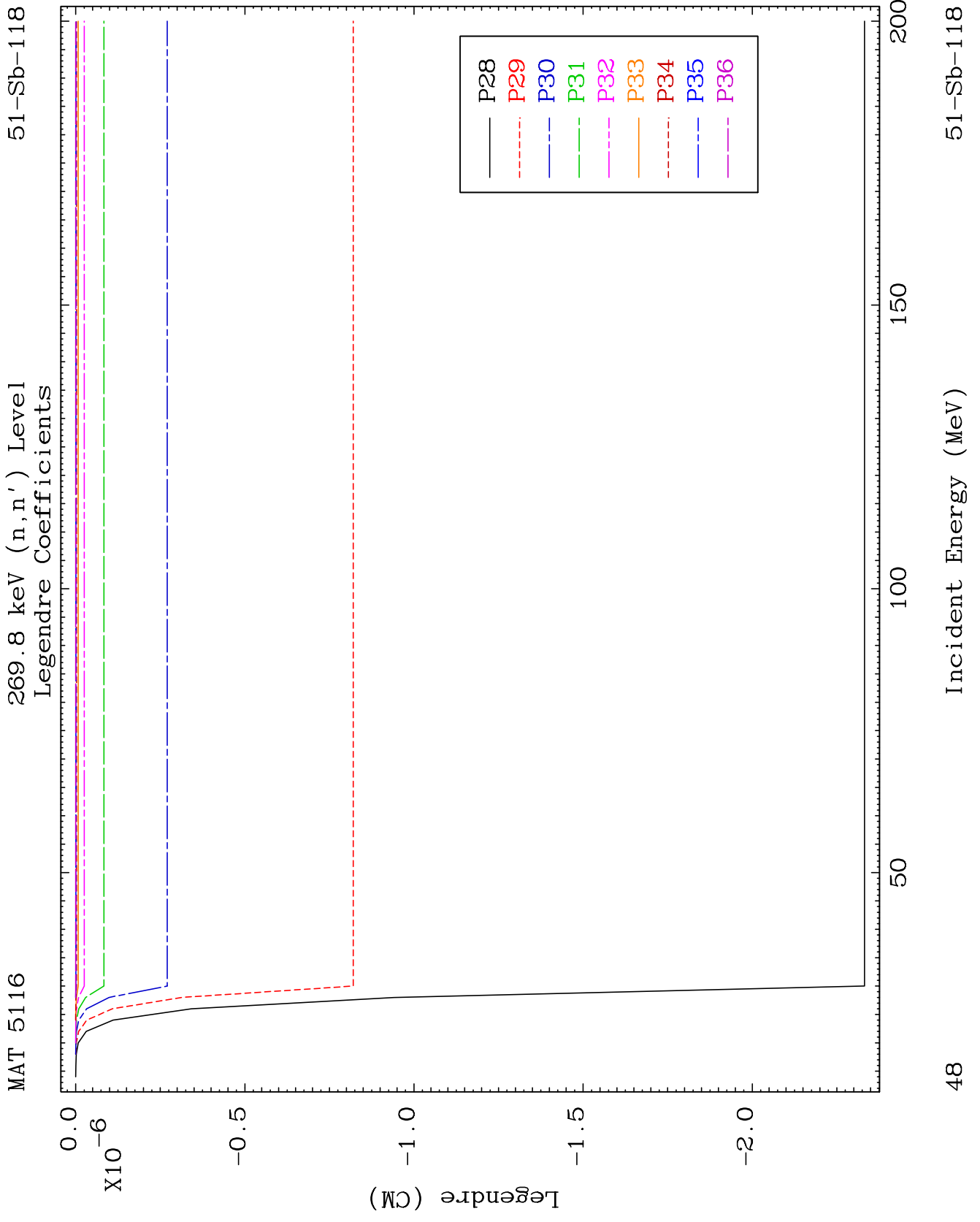


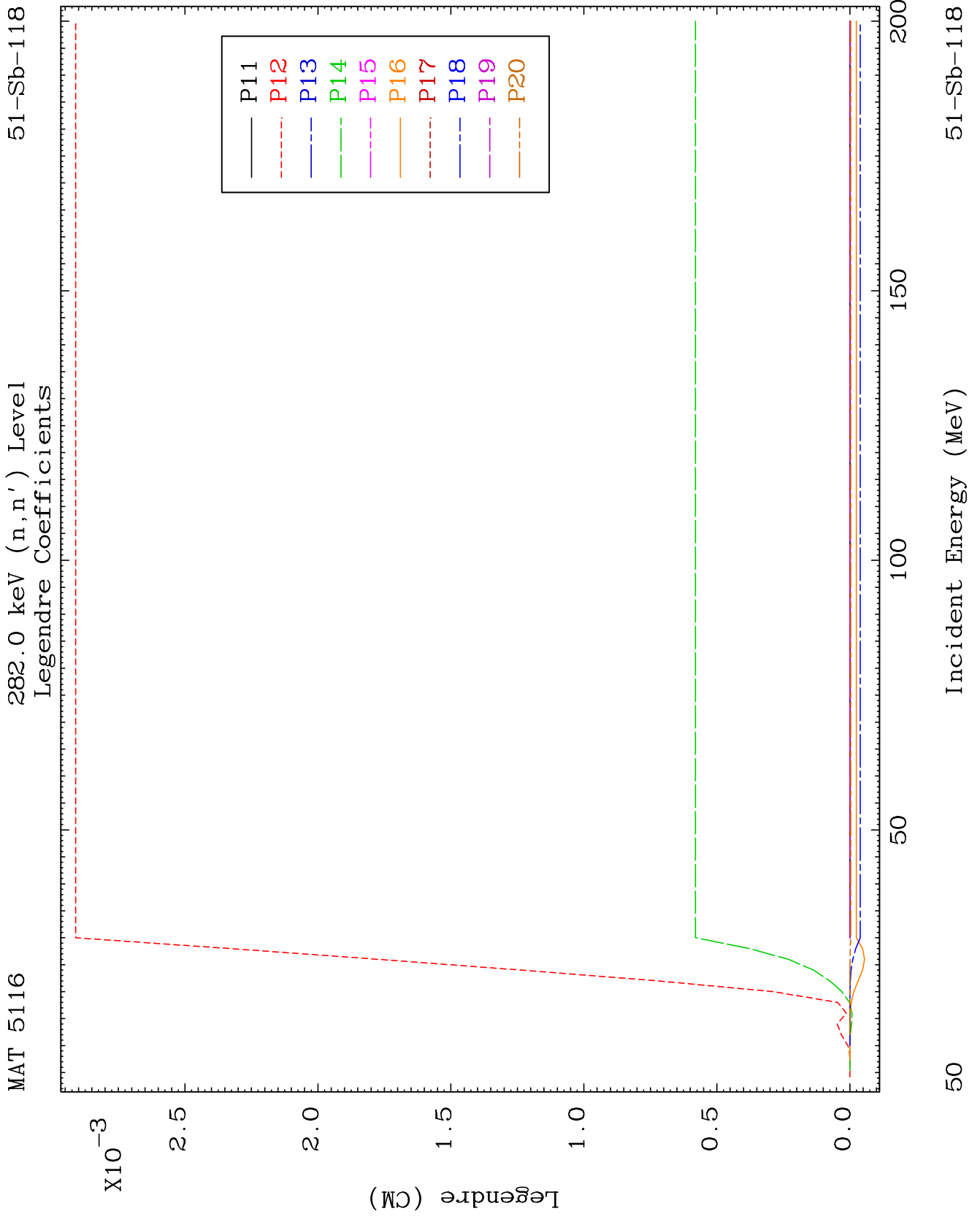
MAT 5116

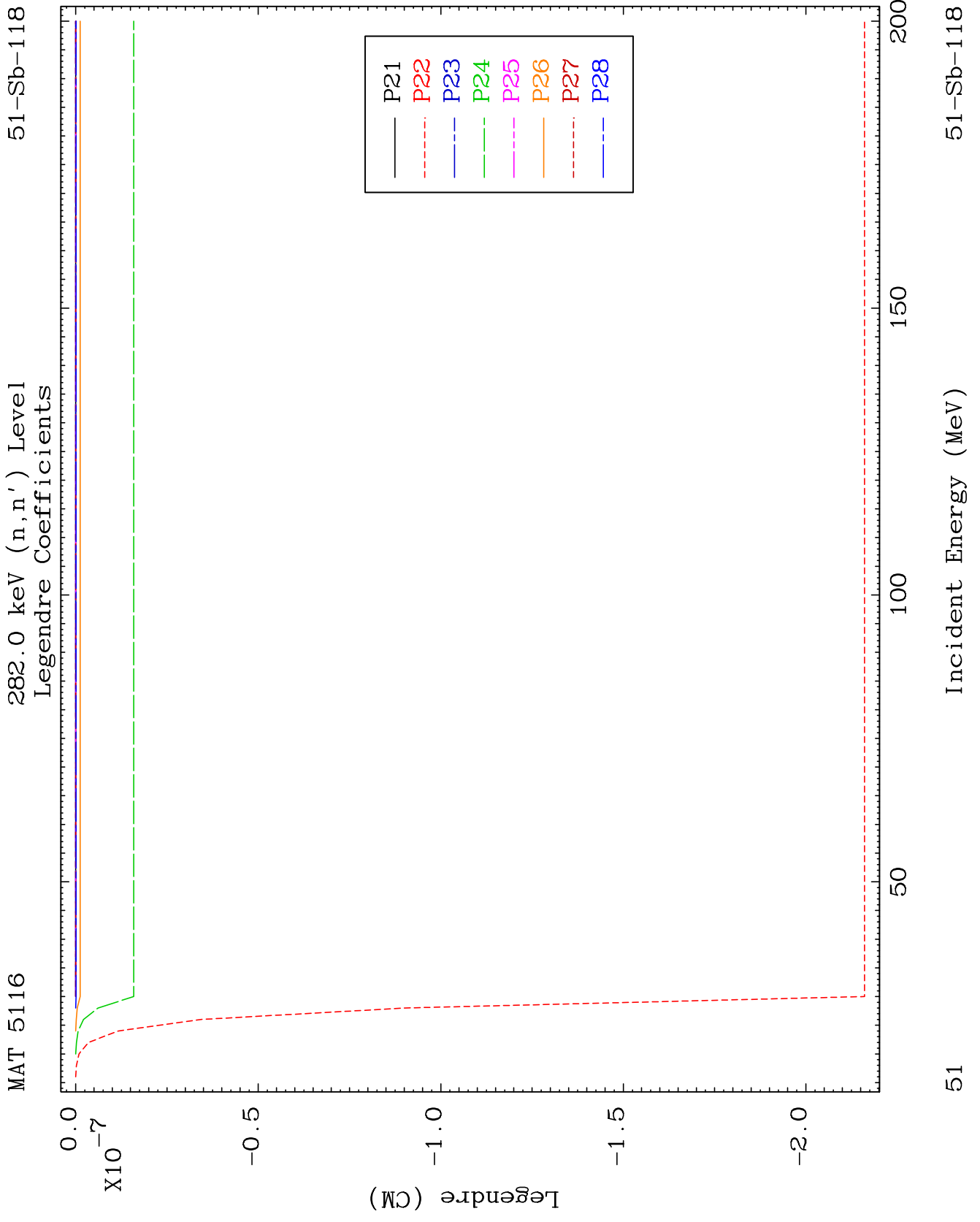
269.8 keV (n,n') Level
Legendre Coefficients

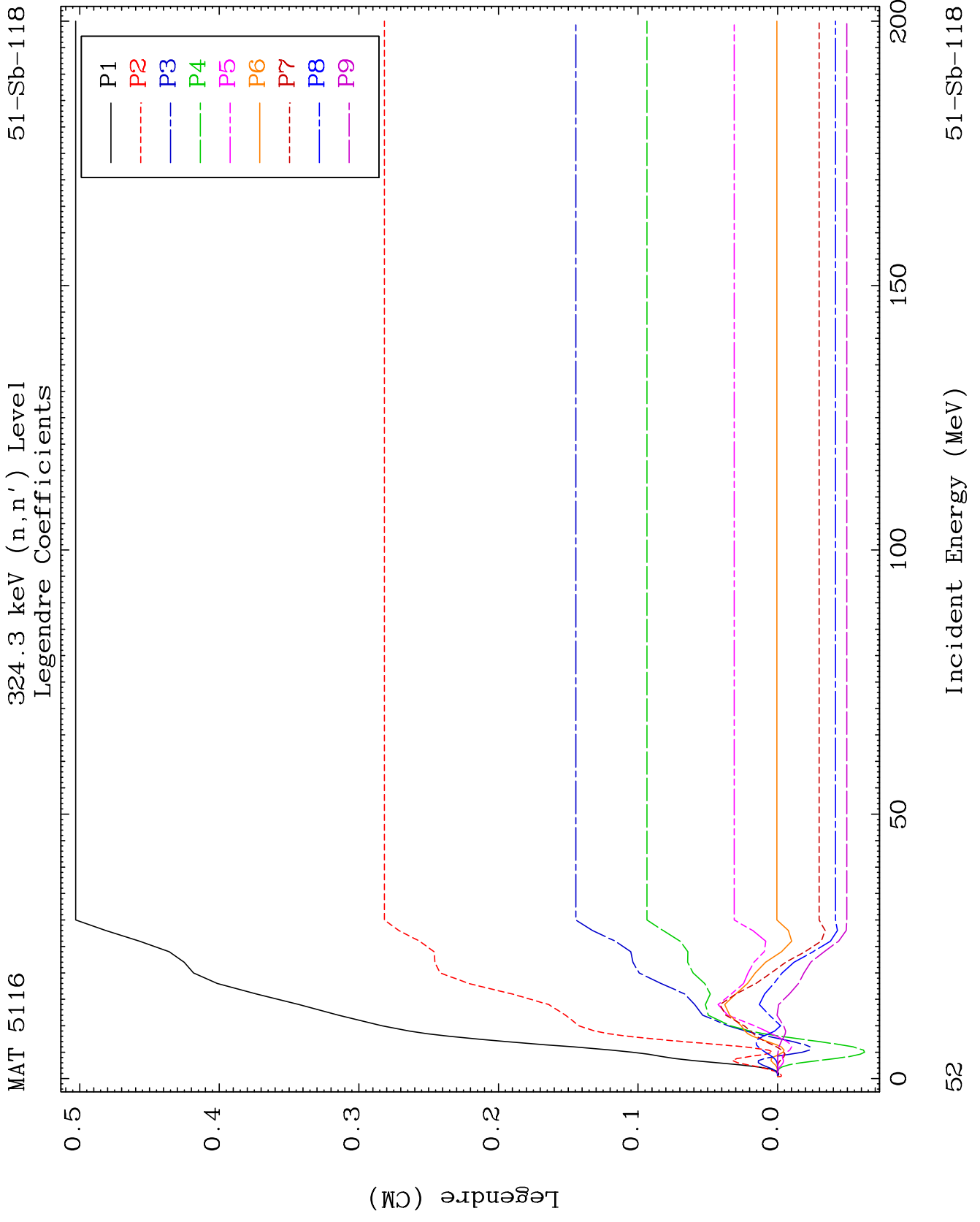
51-Sb-118

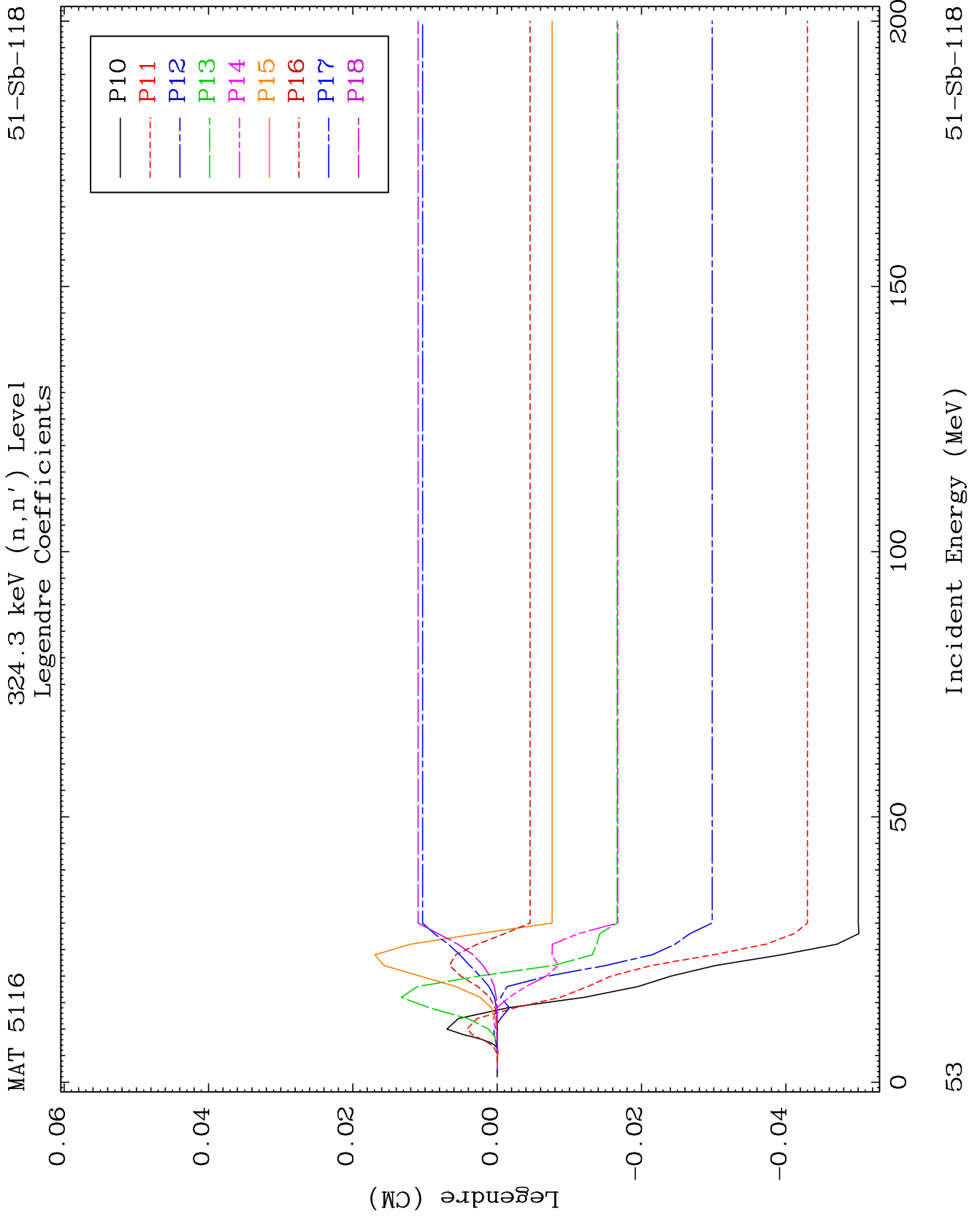


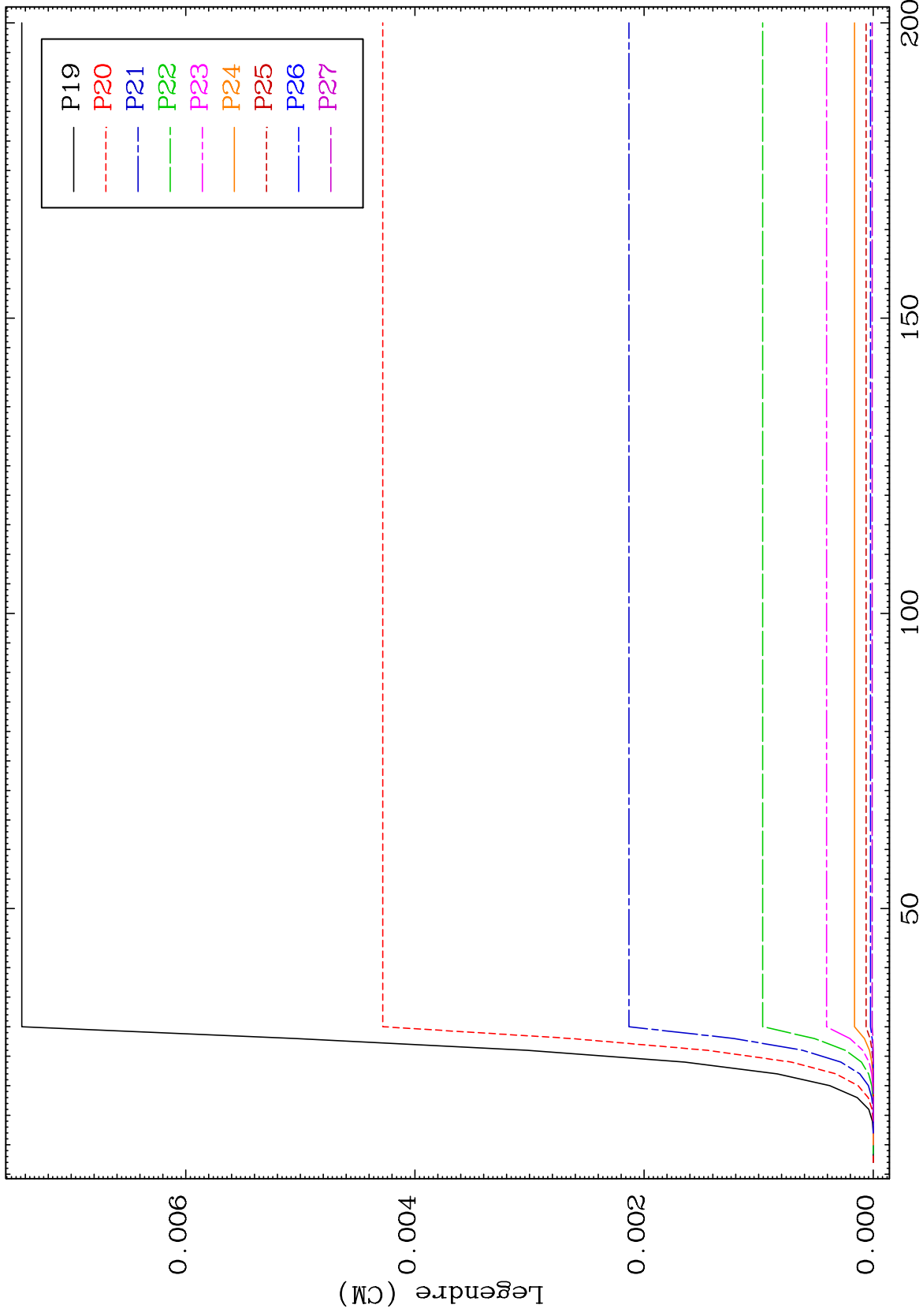






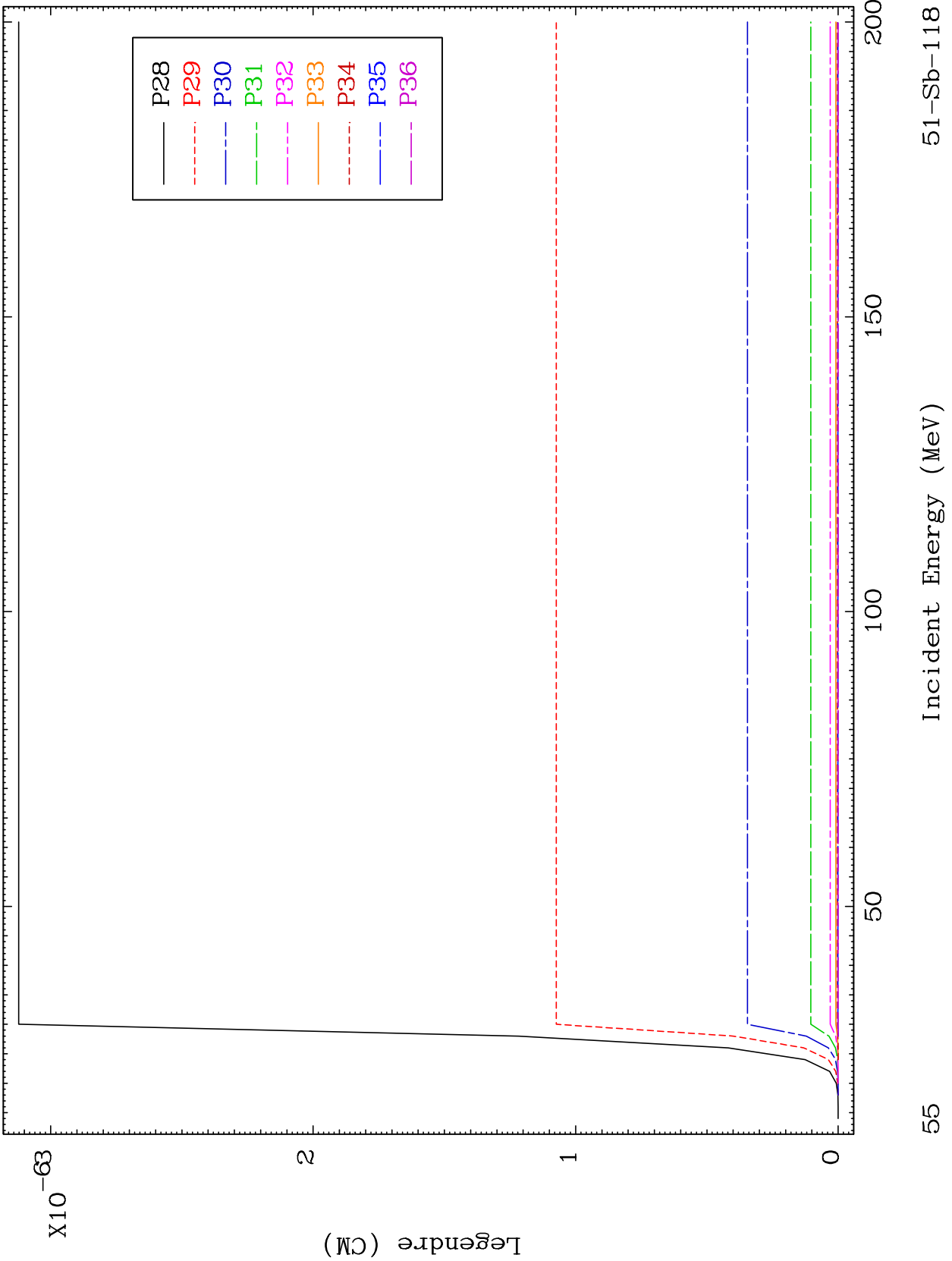






MAT 5116 324.3 keV (n,n') Level 51-Sb-118

Legendre Coefficients

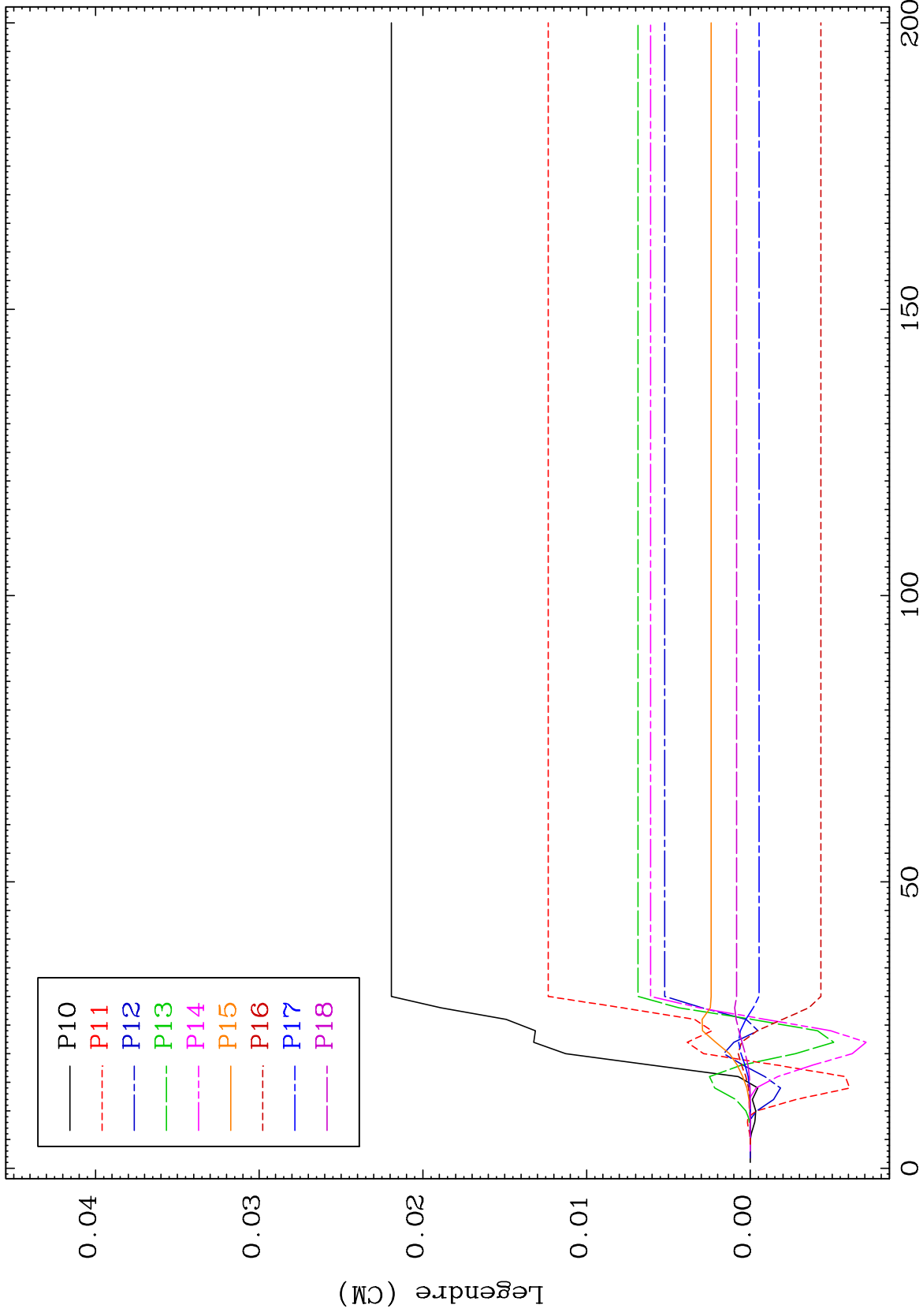


55 100 150 200 51-Sb-118

MAT 5116

347.3 keV (n,n') Level
Legendre Coefficients

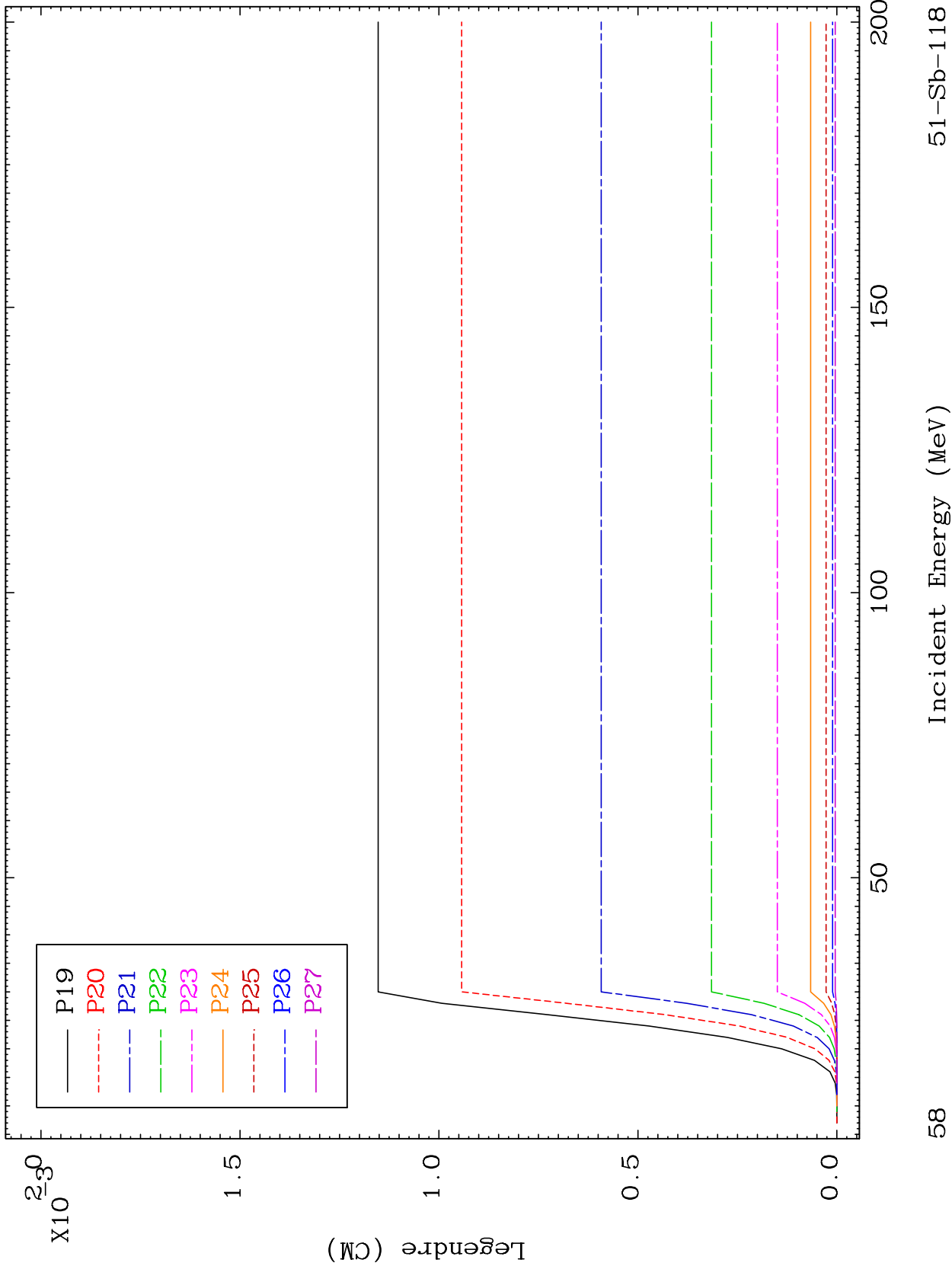
51-Sb-118



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Incident Energy (MeV)

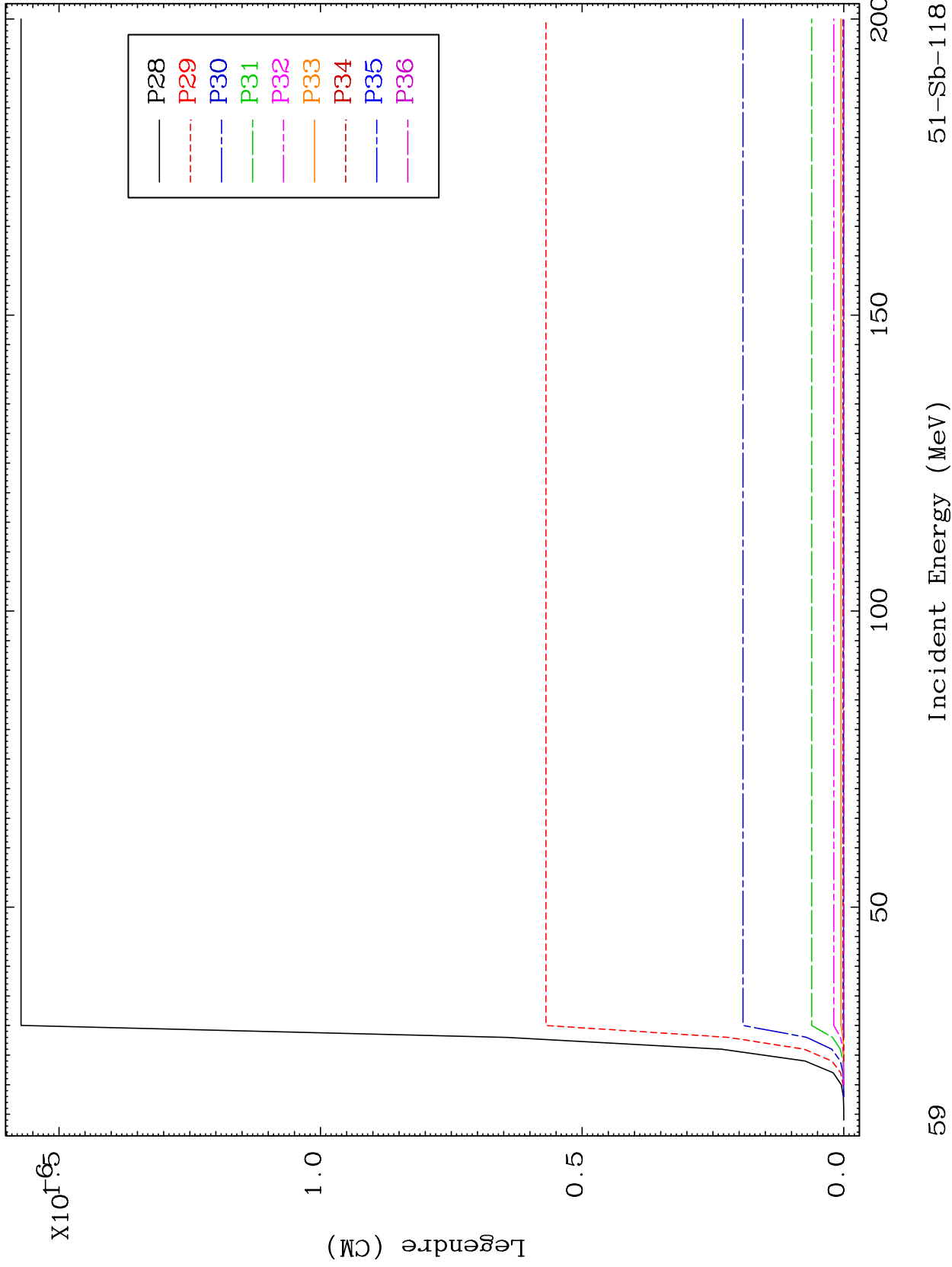
51-Sb-118



MAT 5116

347.3 keV (n,n') Level
Legendre Coefficients

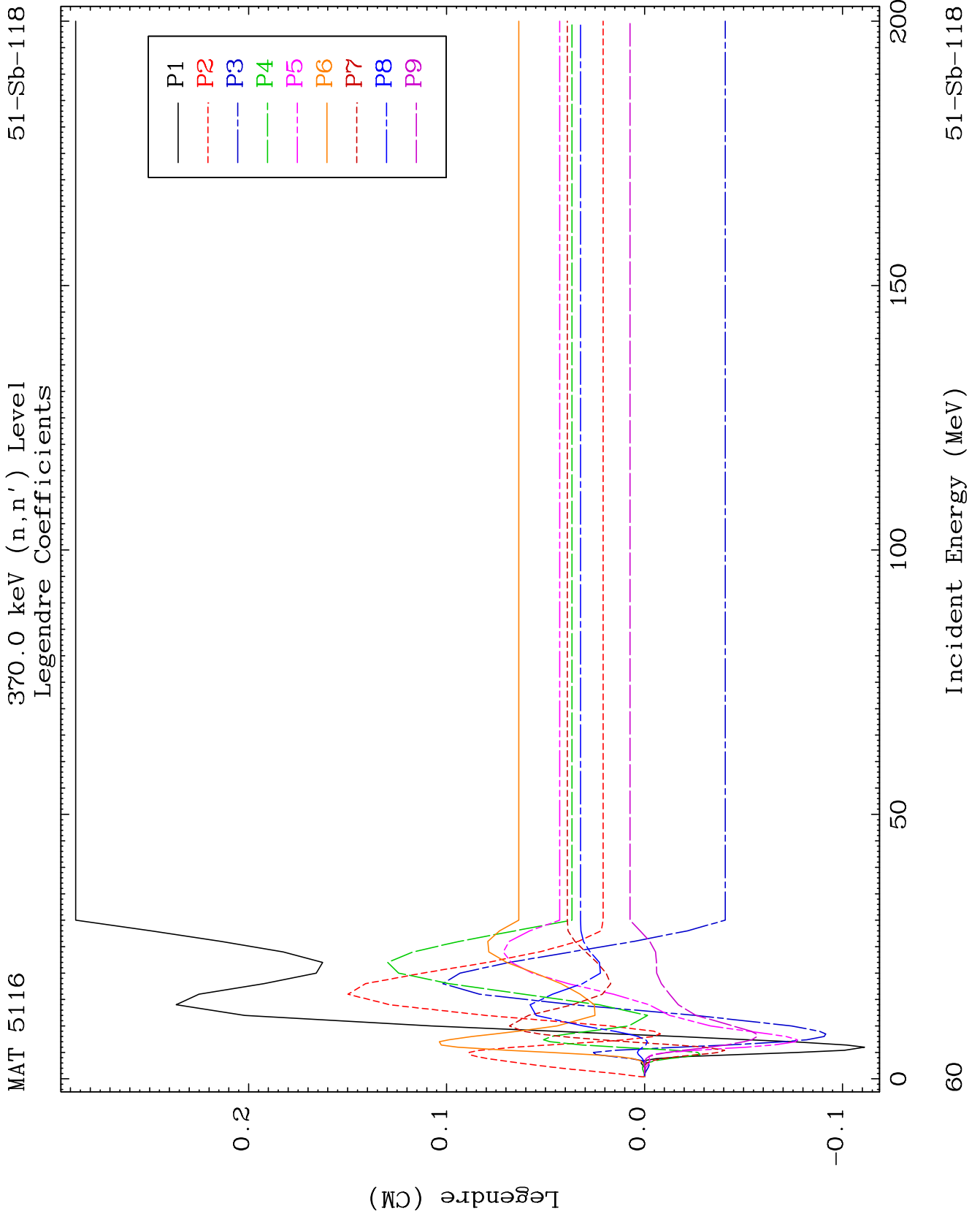
51-Sb-118

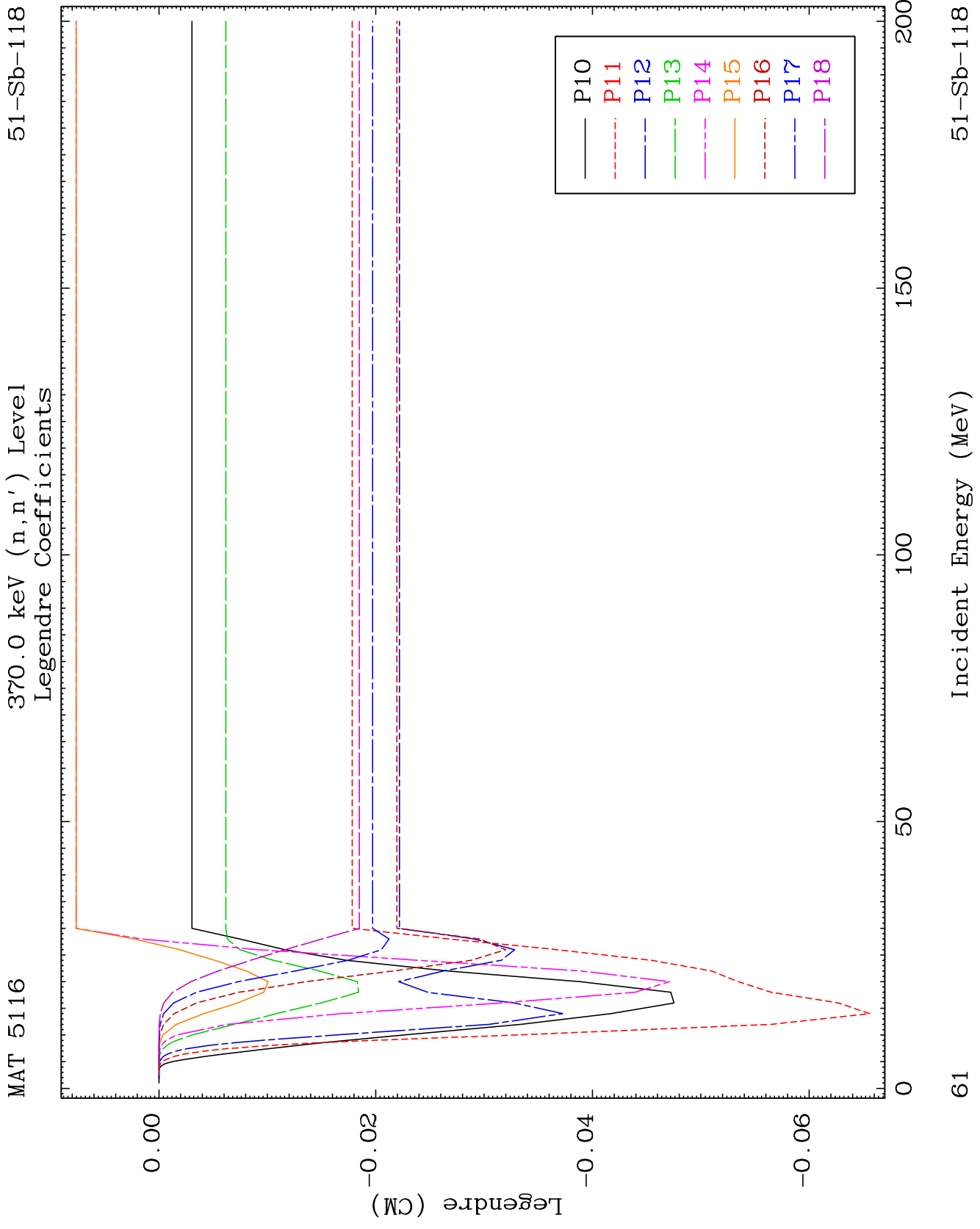


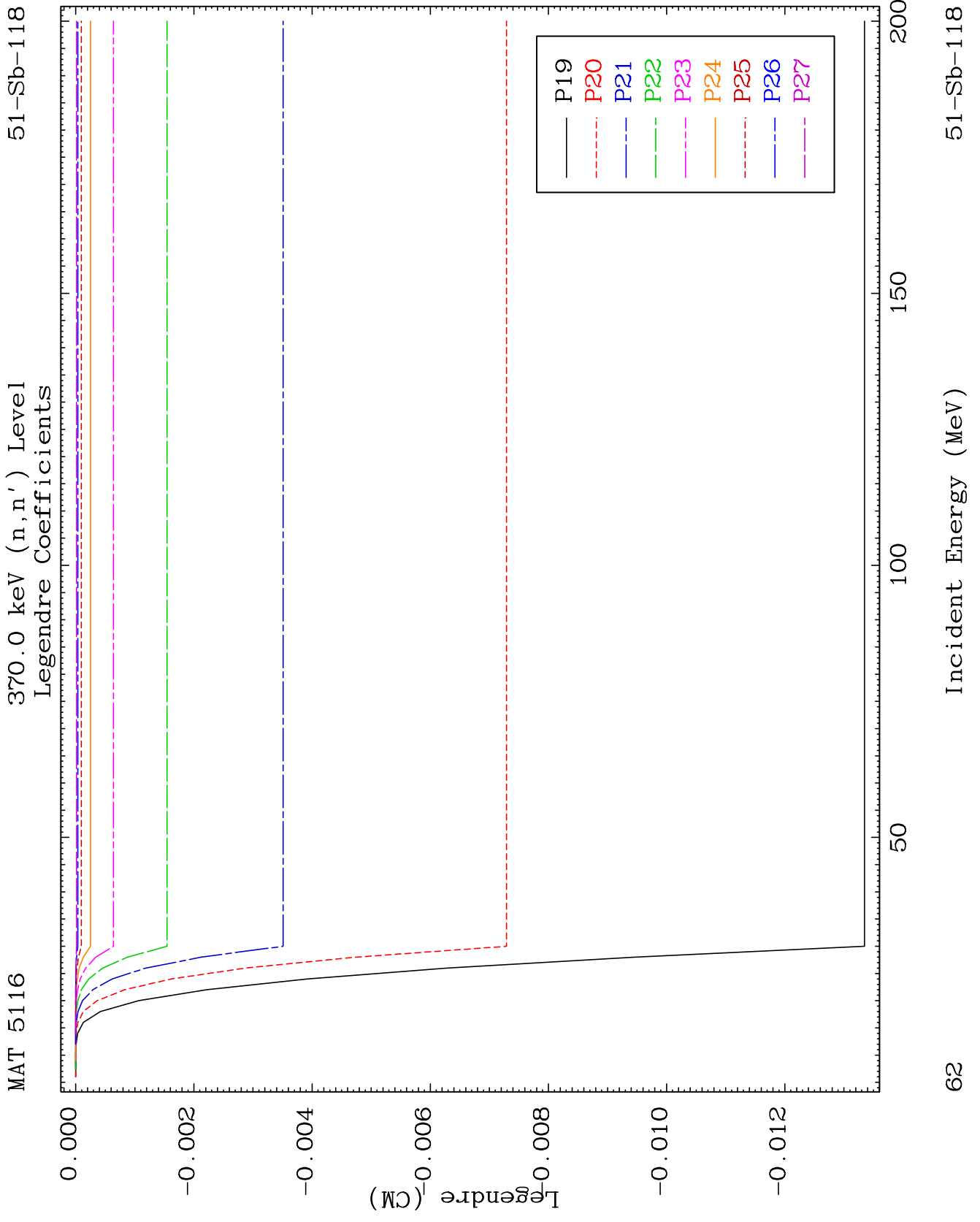
59

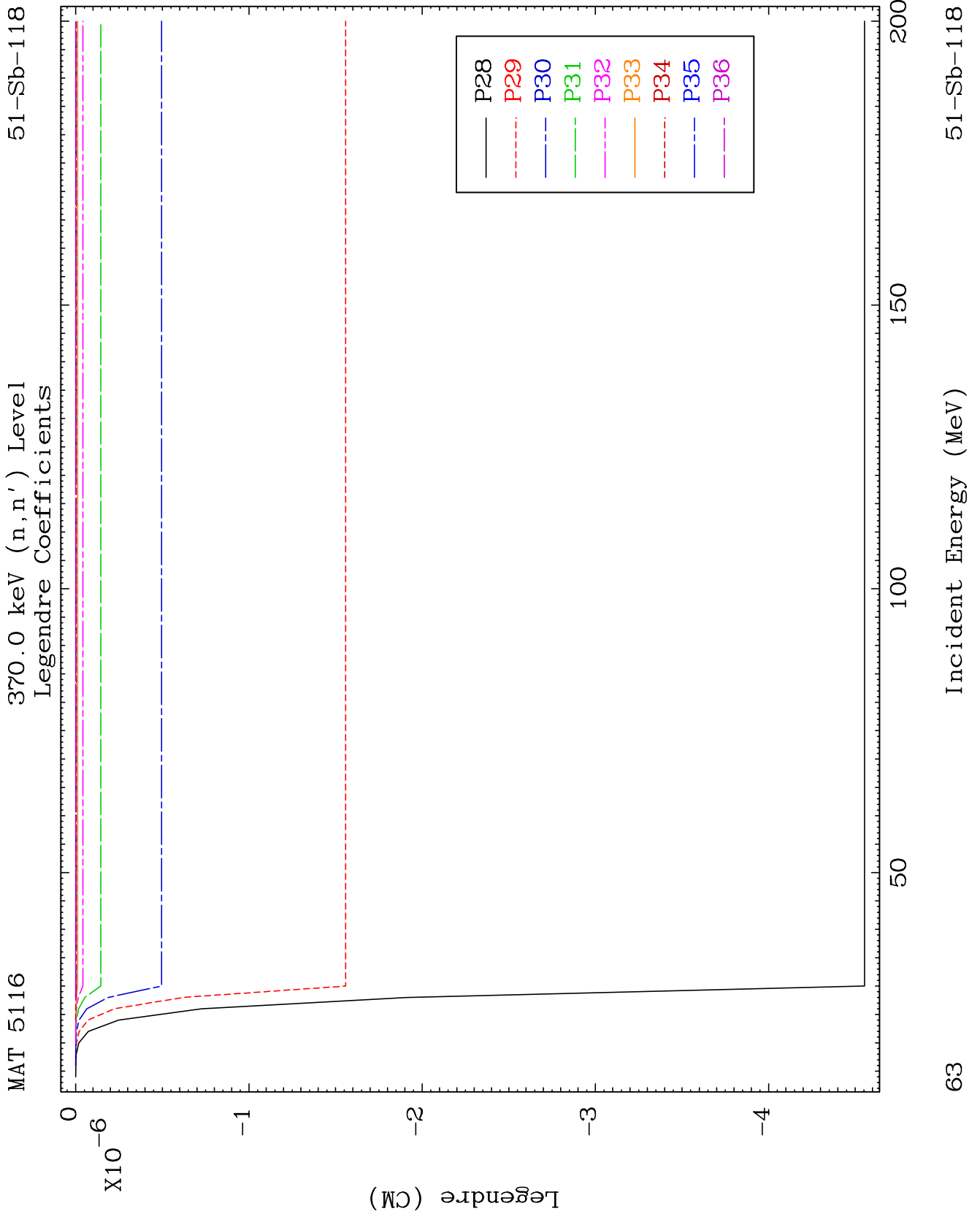
Incident Energy (MeV)

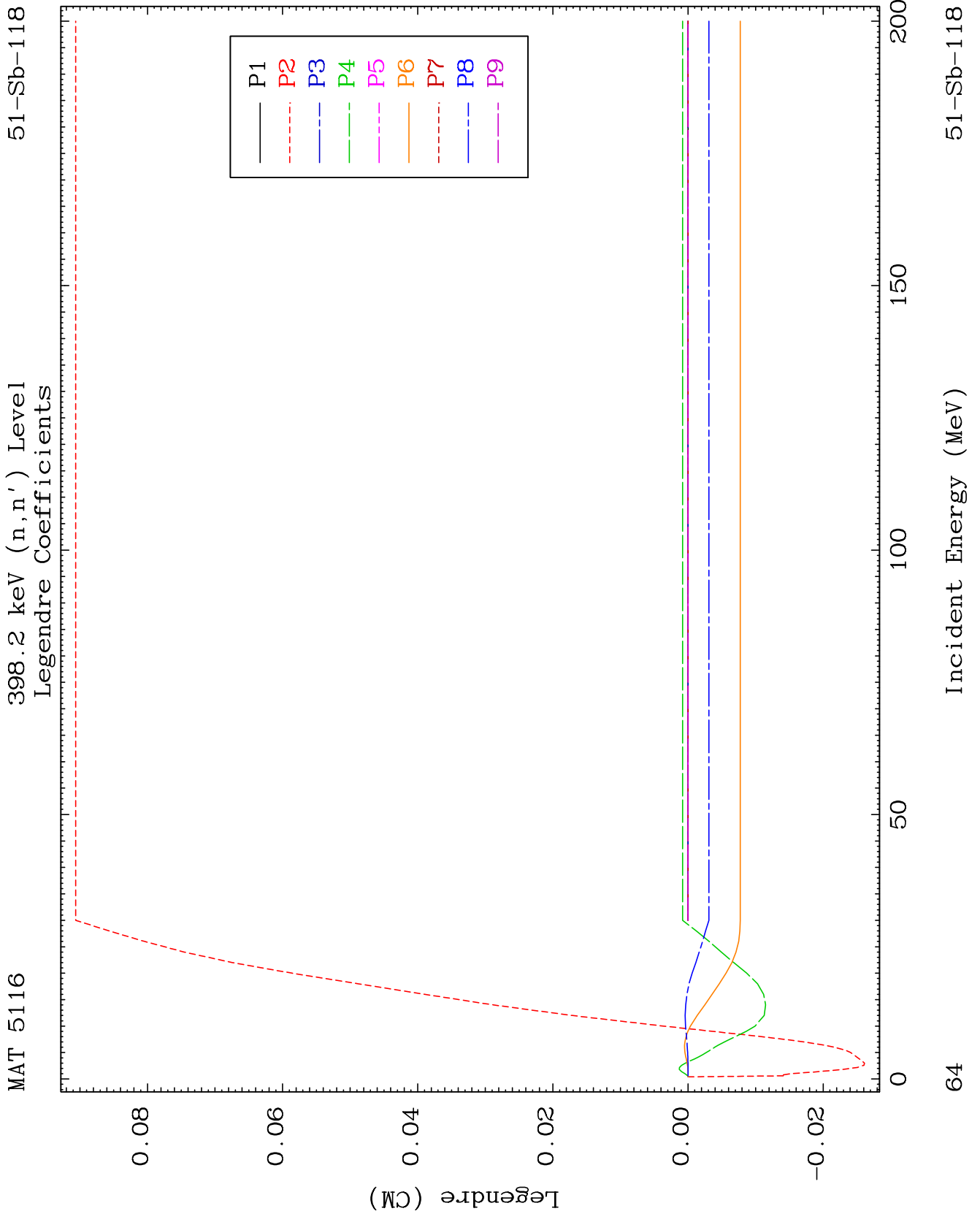
51-Sb-118

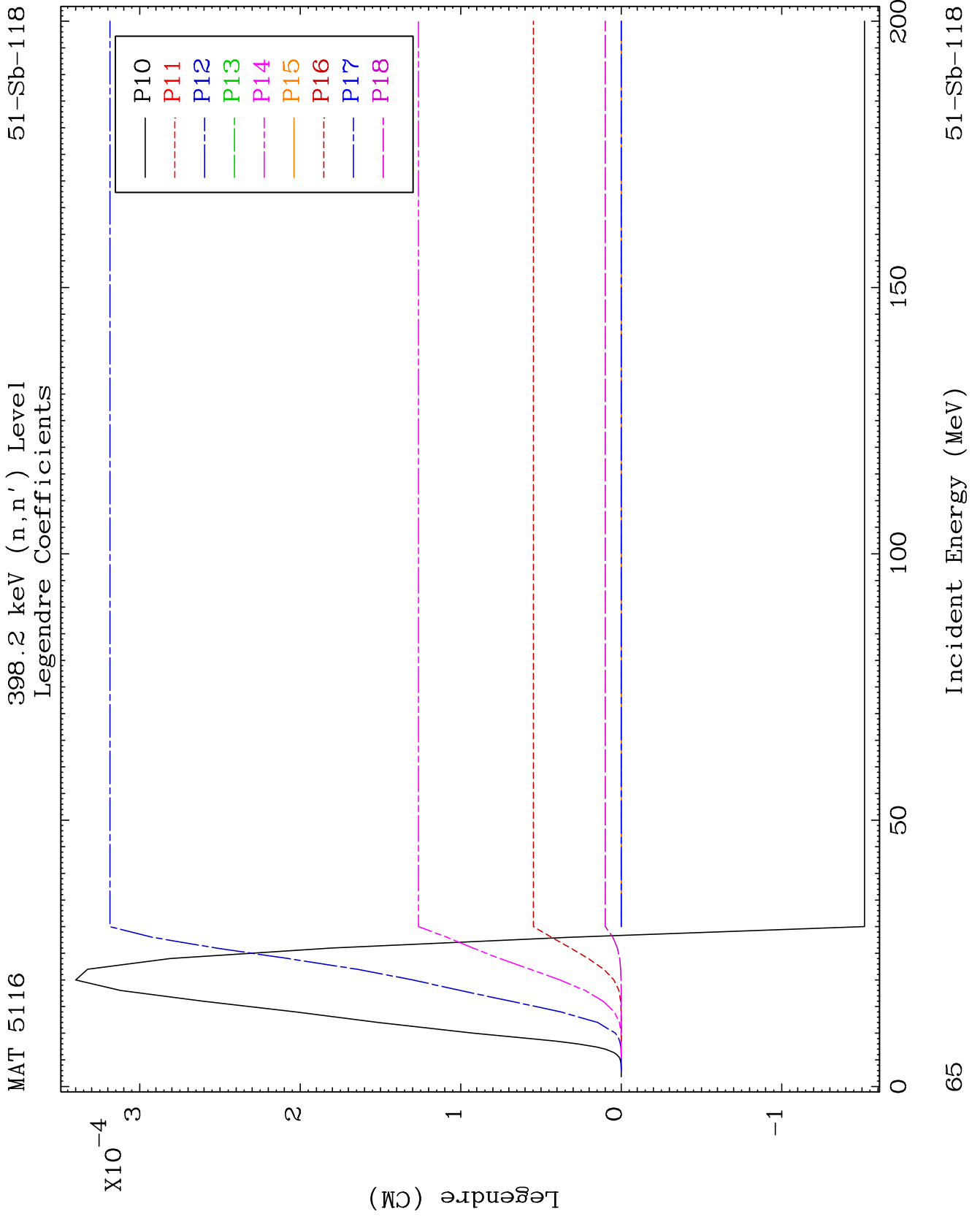


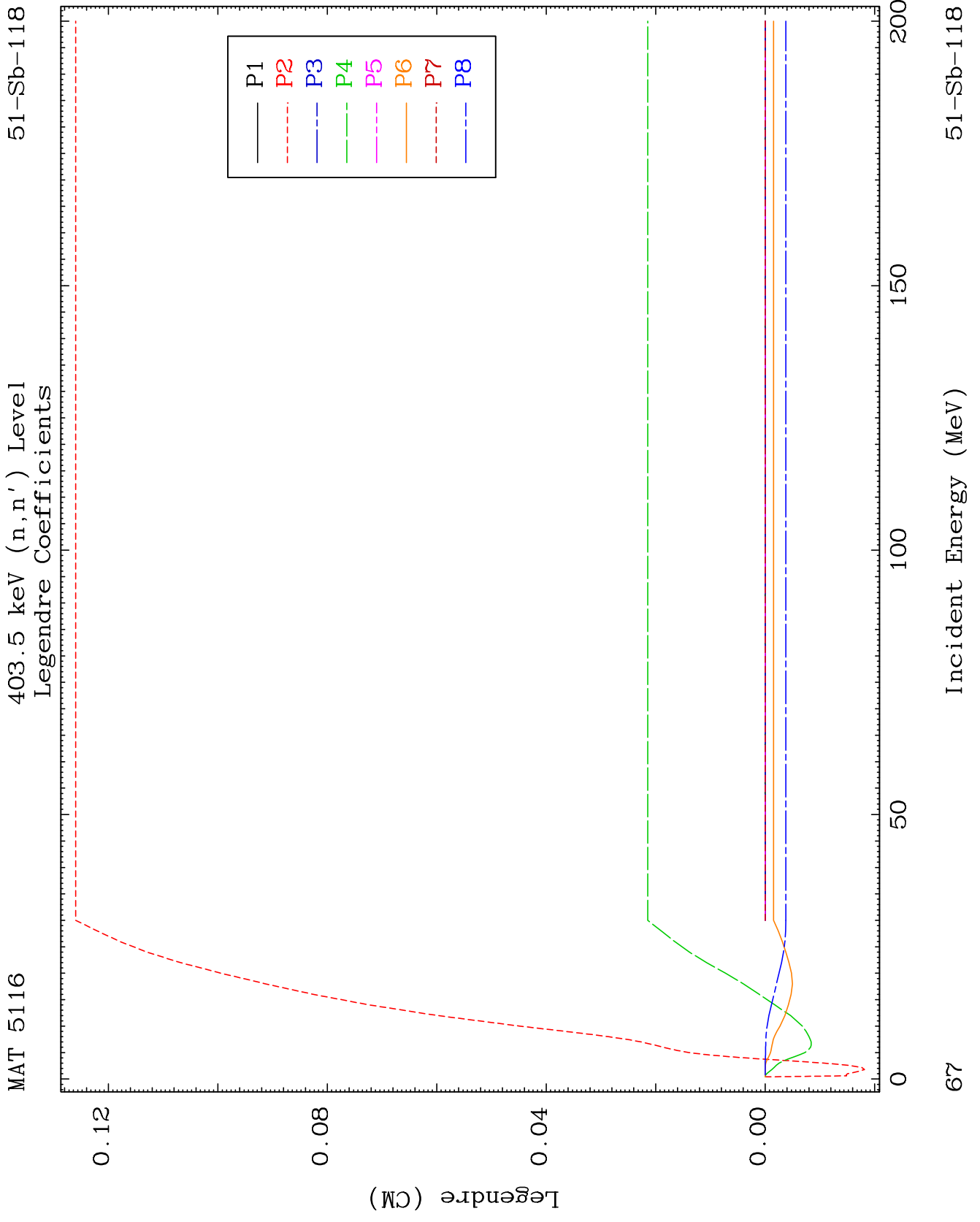


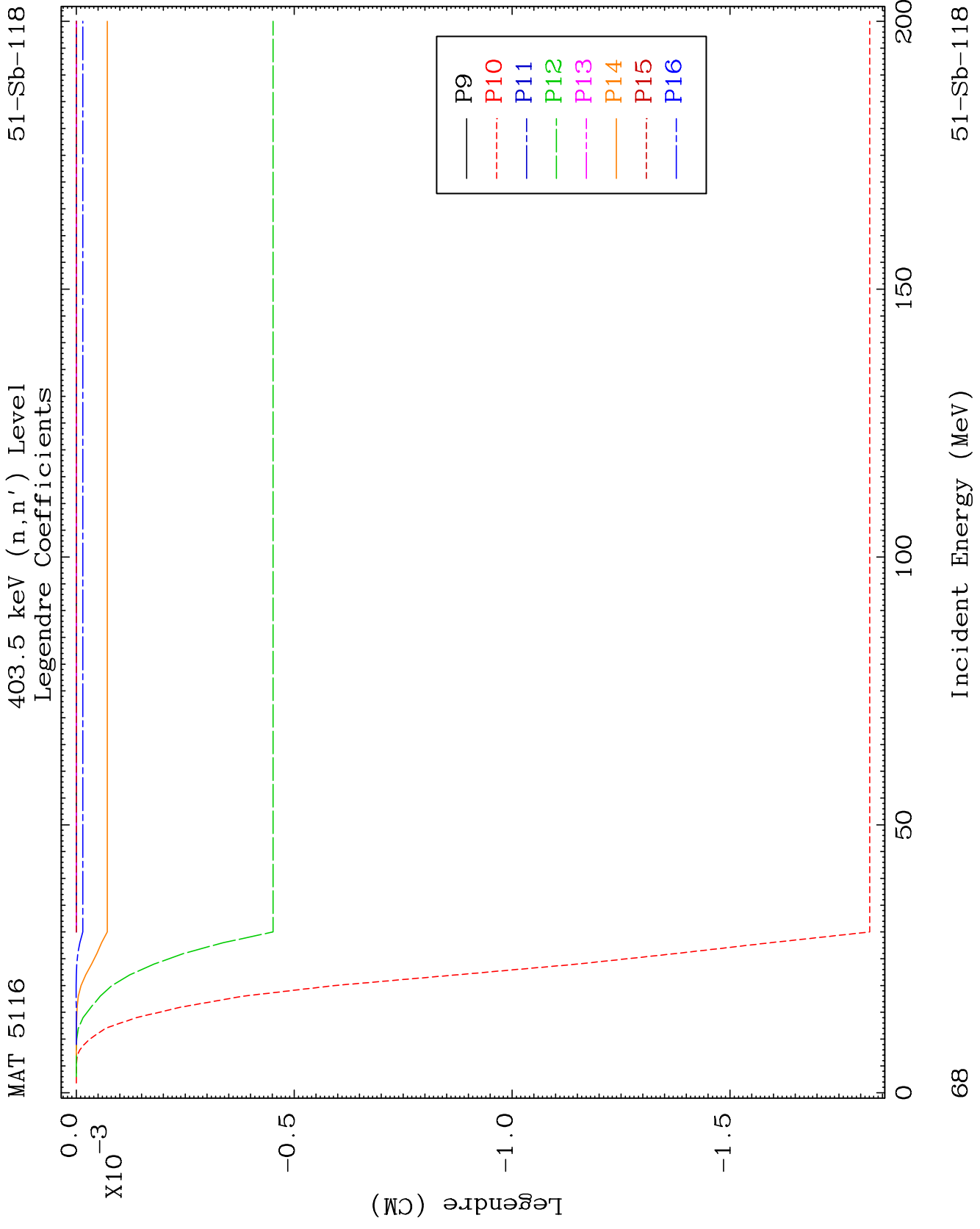


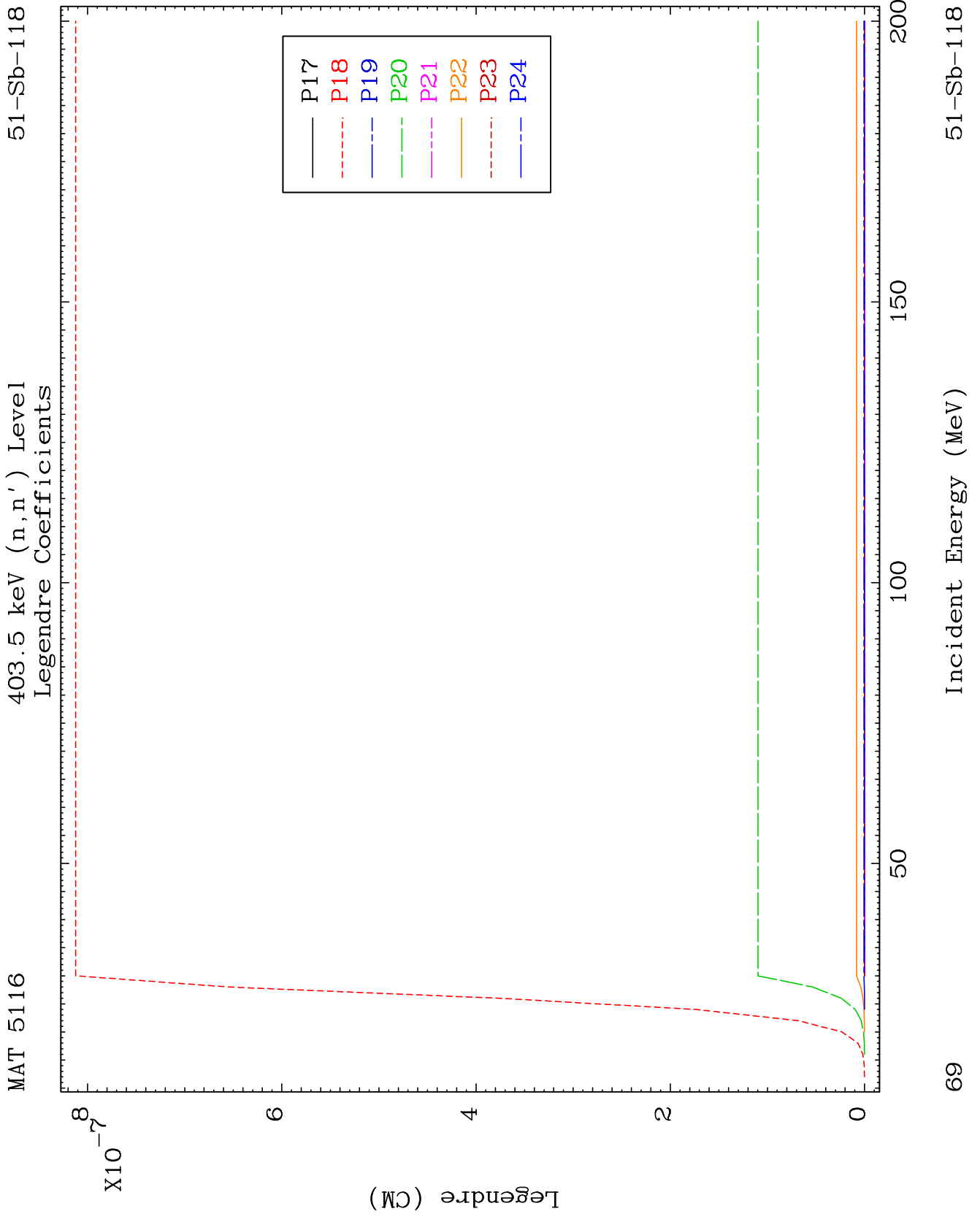


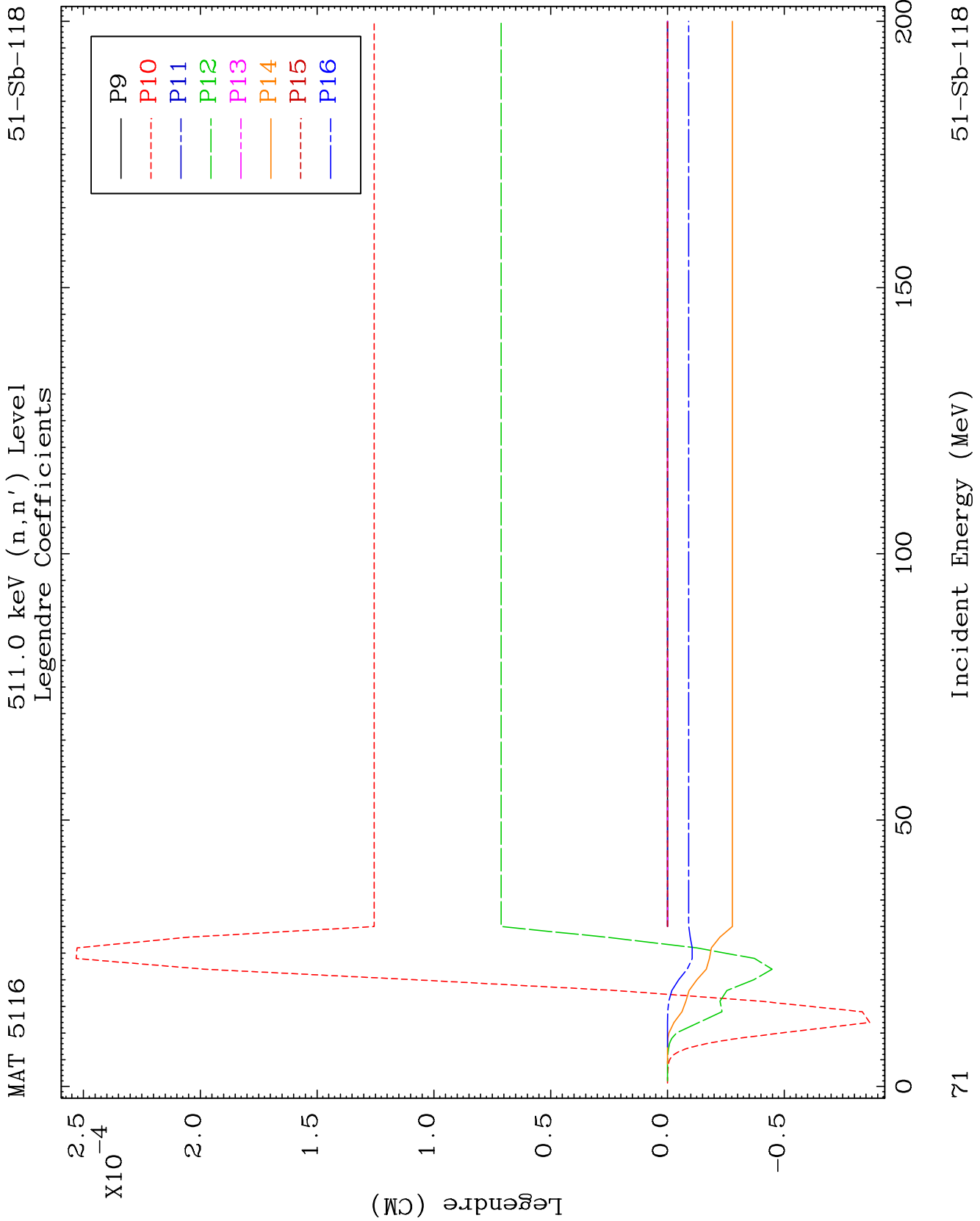


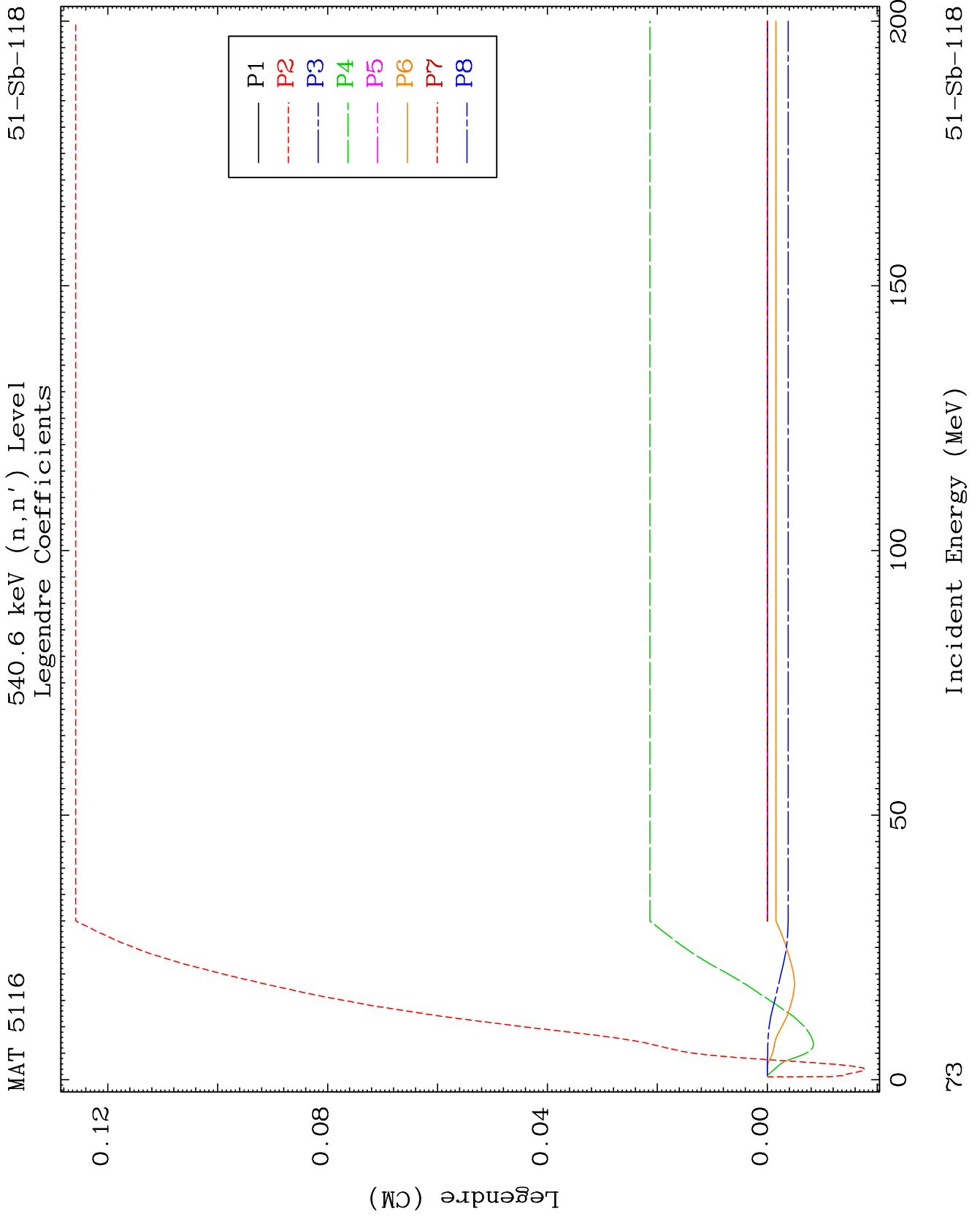


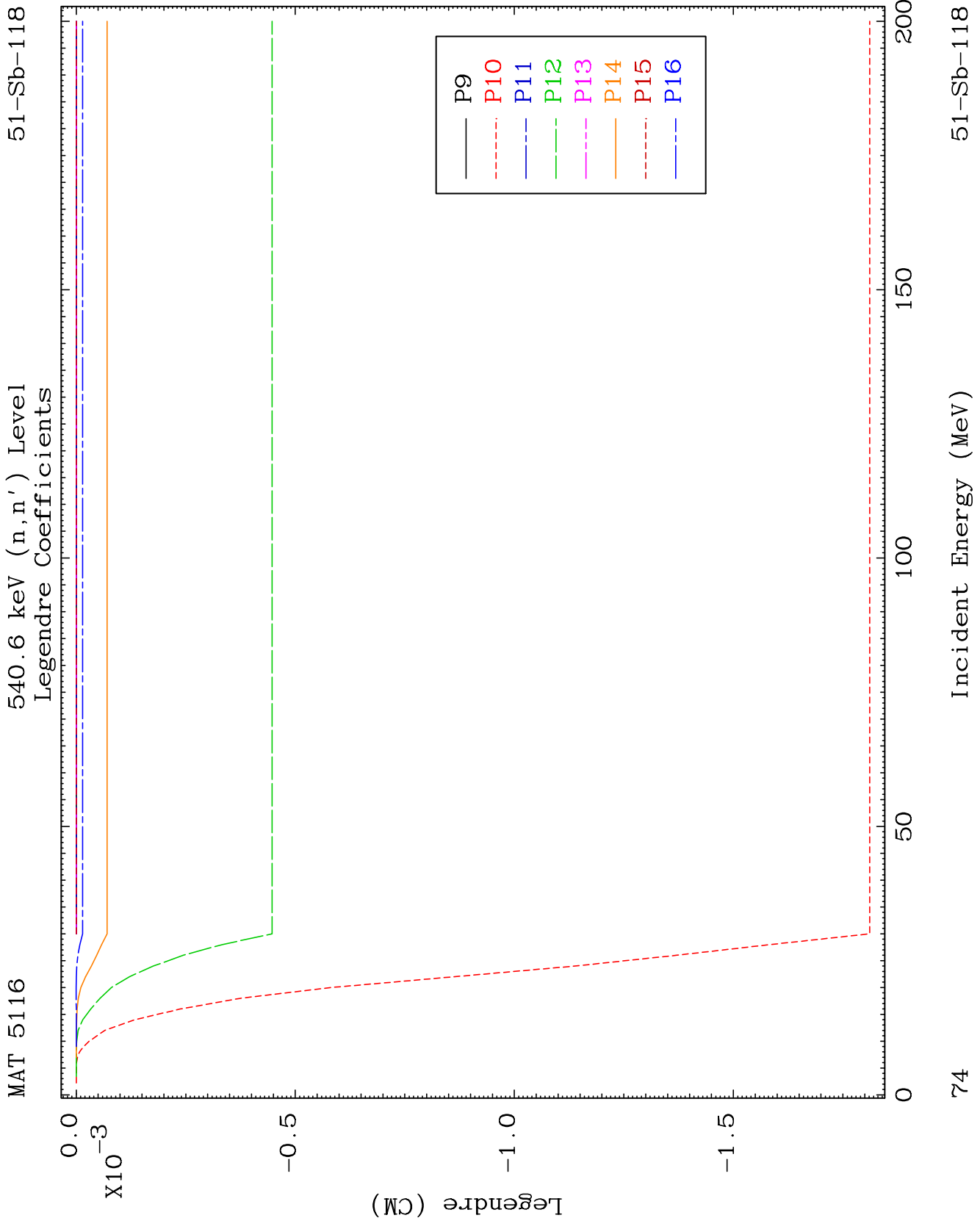


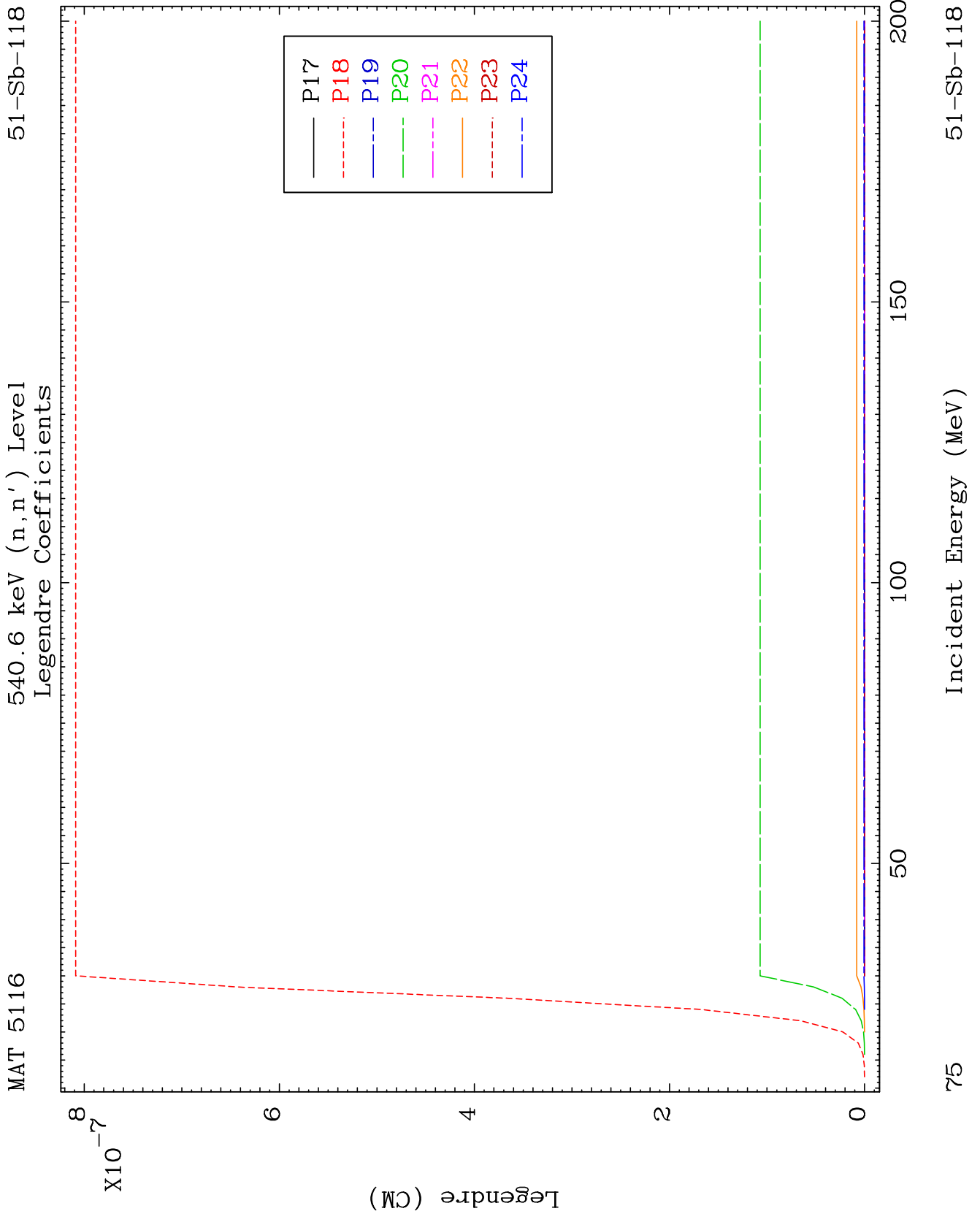








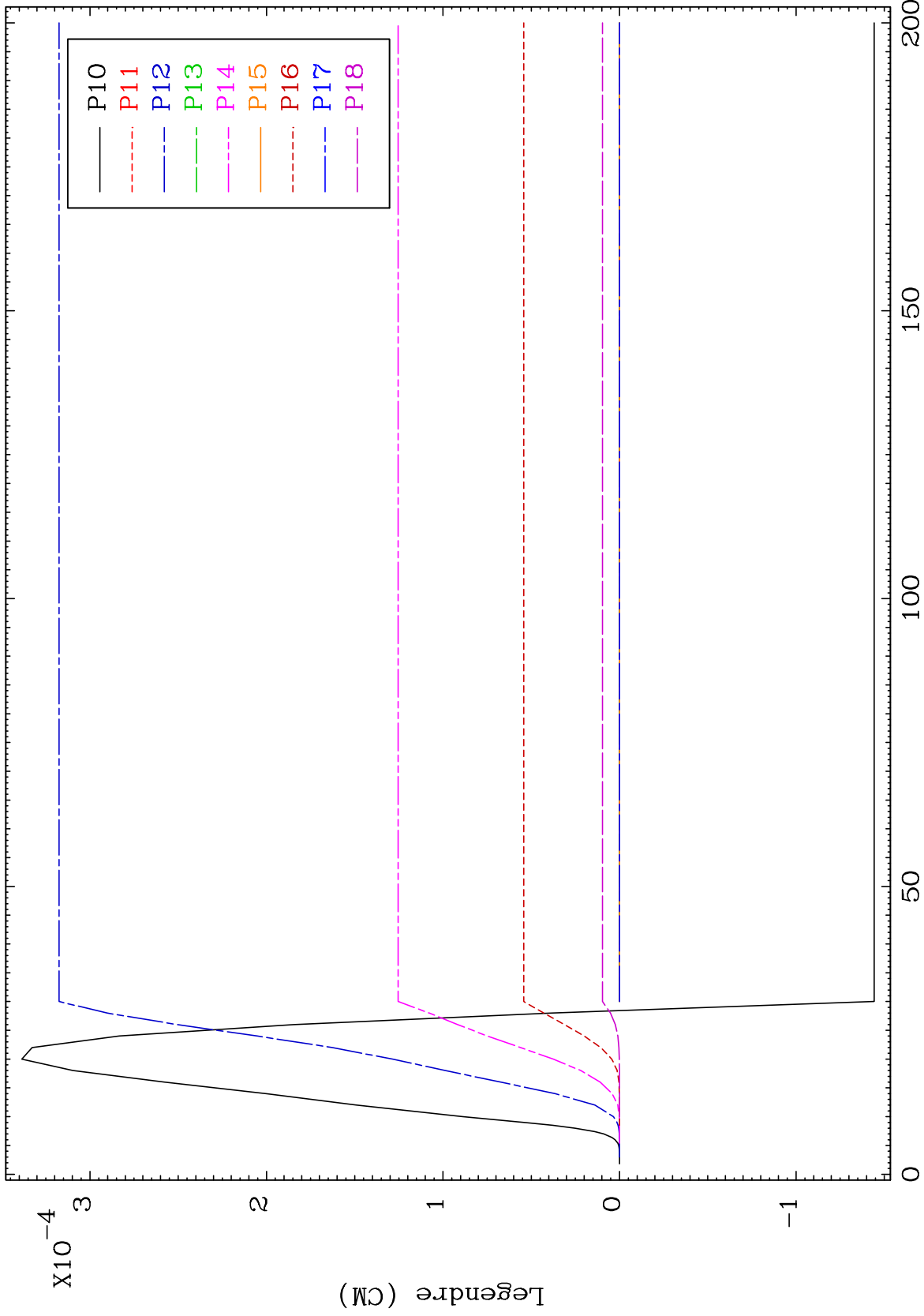




MAT 5116

557.3 keV (n,n') Level
Legendre Coefficients

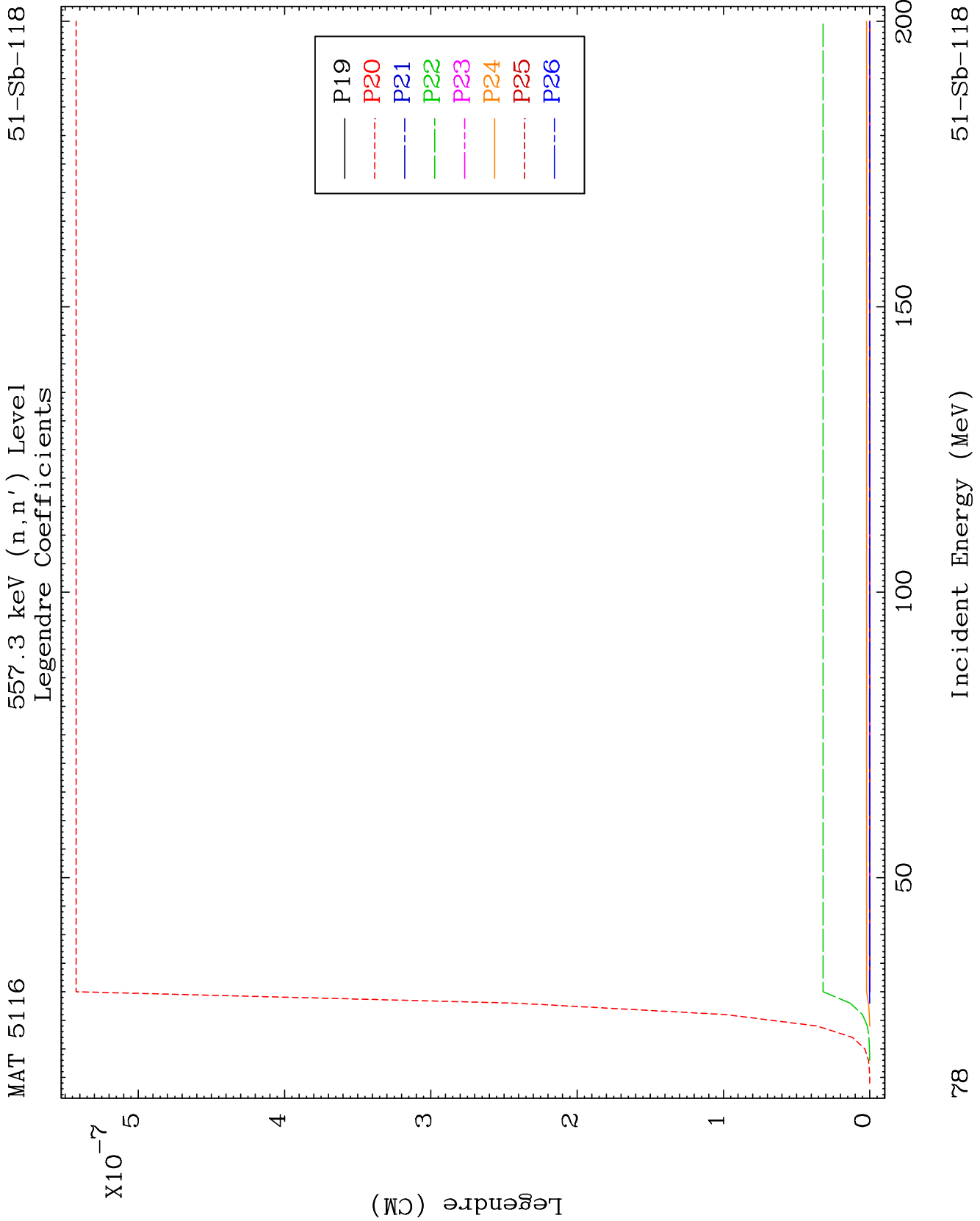
51-Sb-118

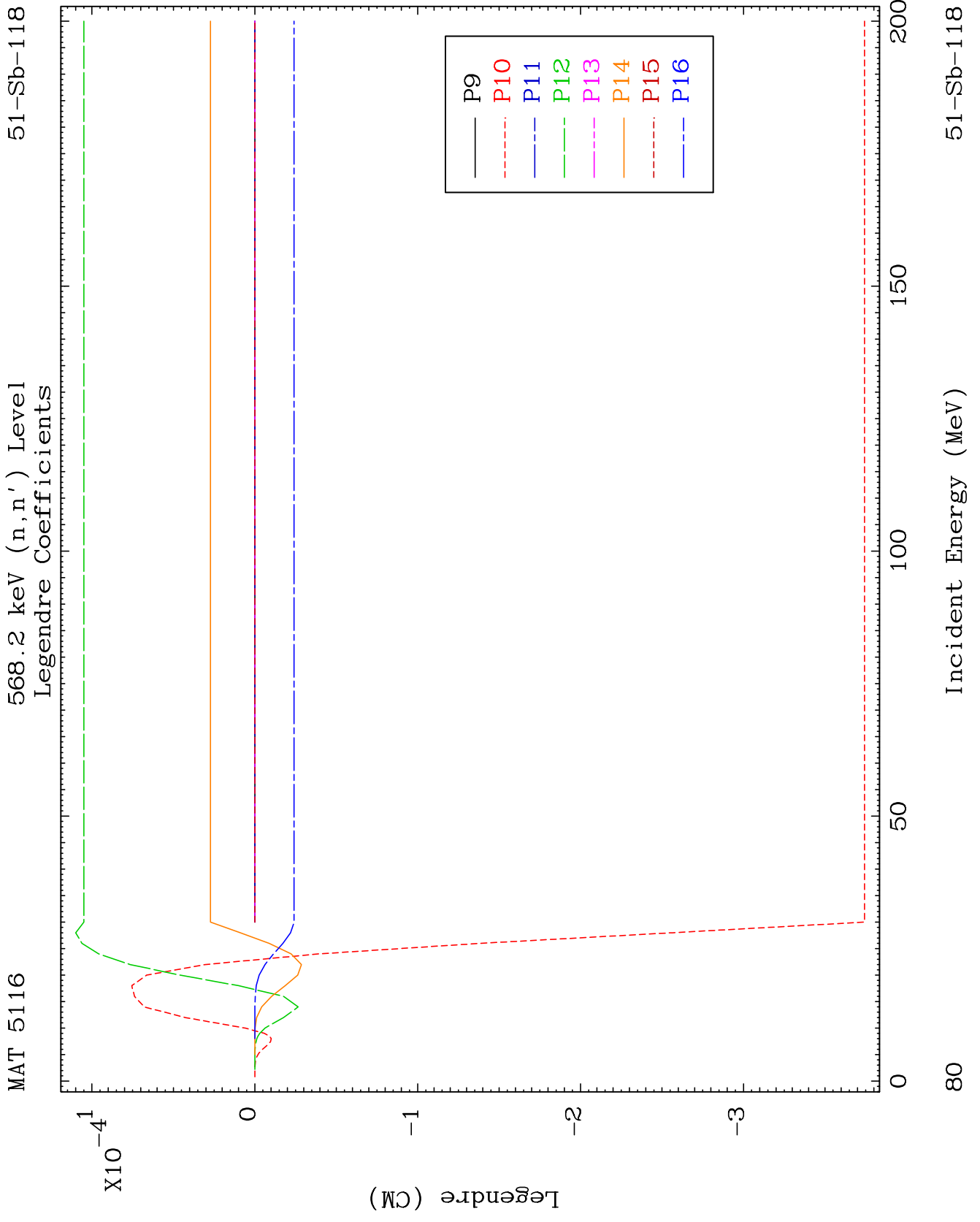


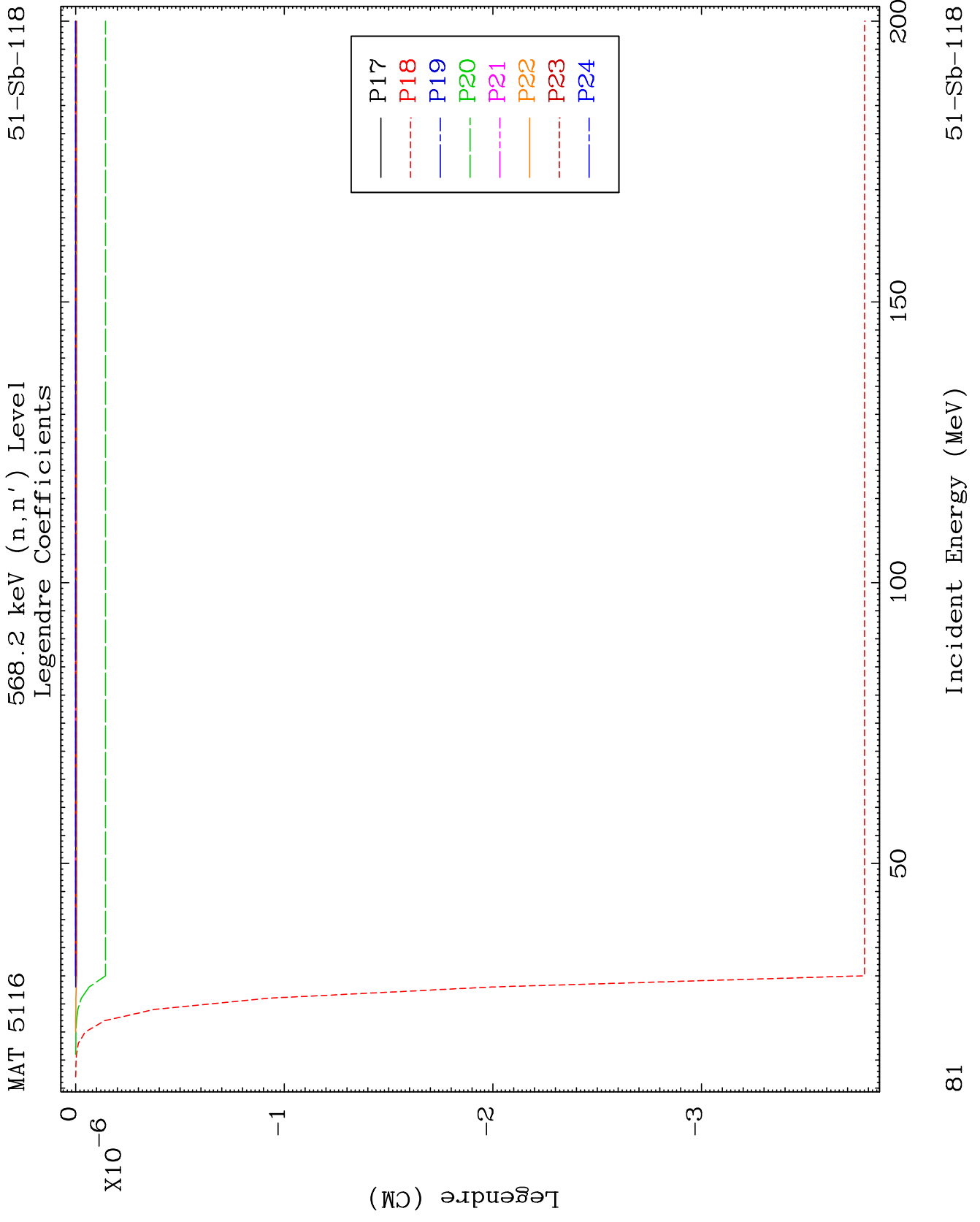
77

Incident Energy (MeV)

51-Sb-118



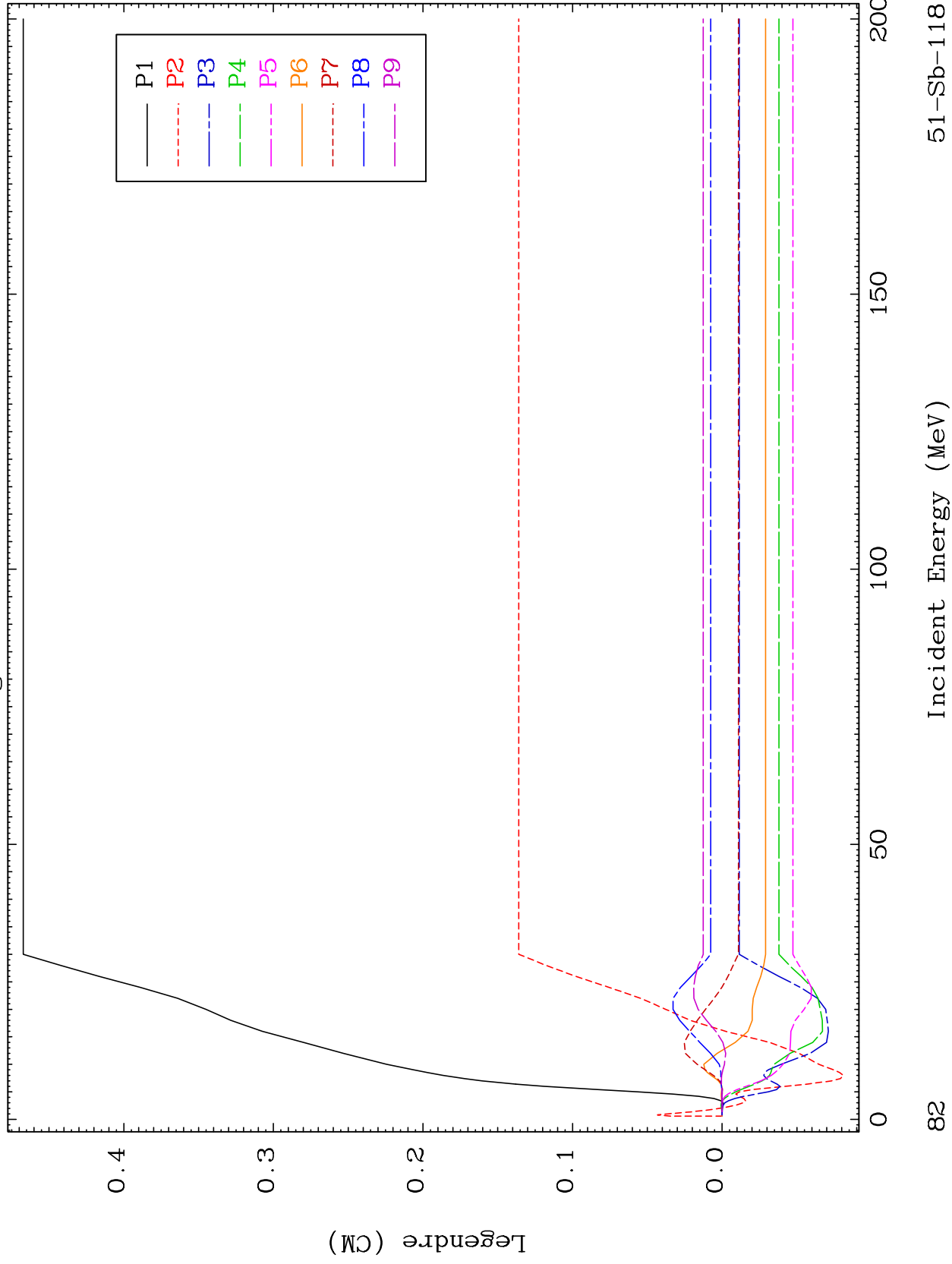




MAT 5116

569.9 keV (n,n') Level
Legendre Coefficients

51-Sb-118



51-Sb-118

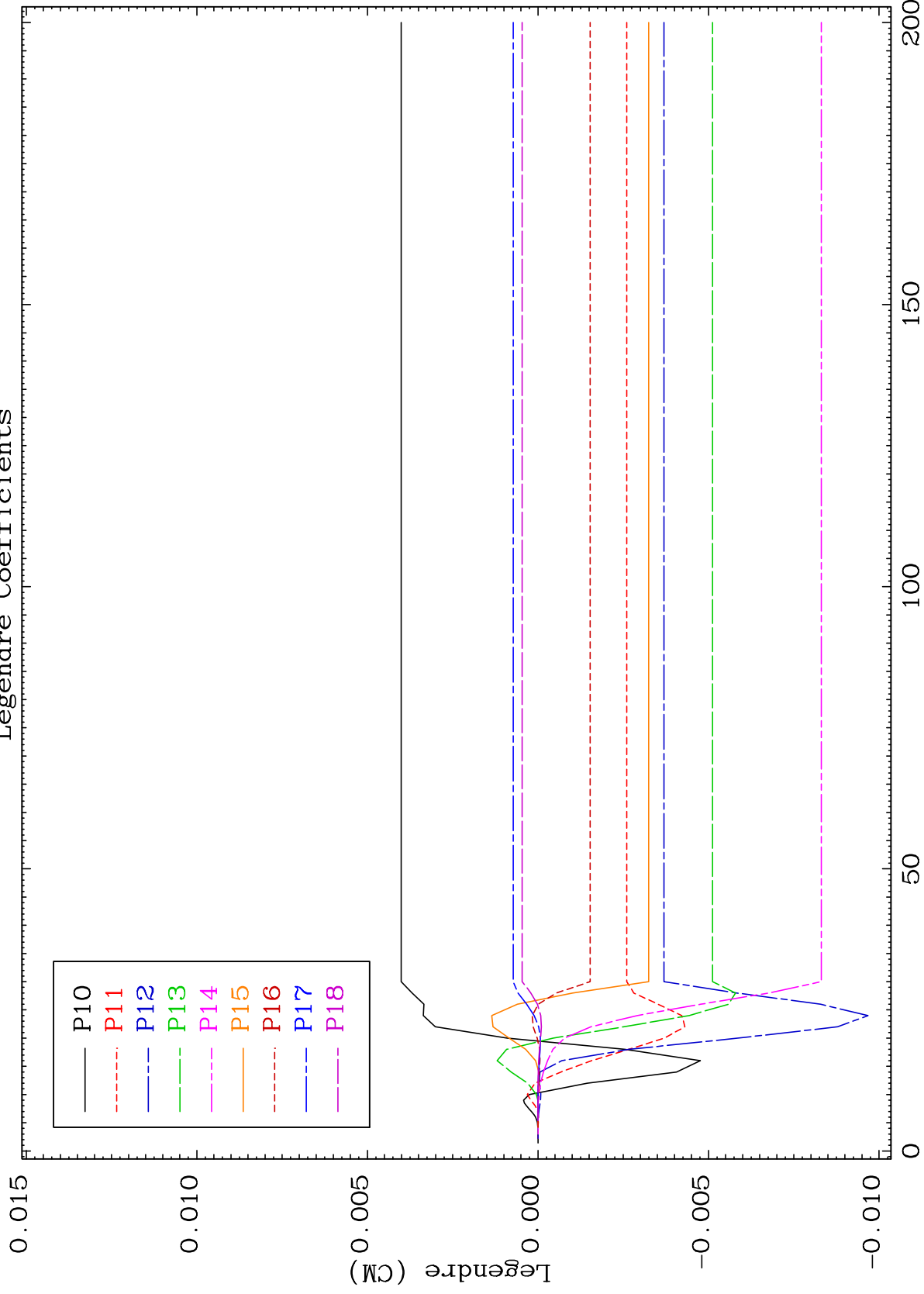
Incident Energy (MeV)

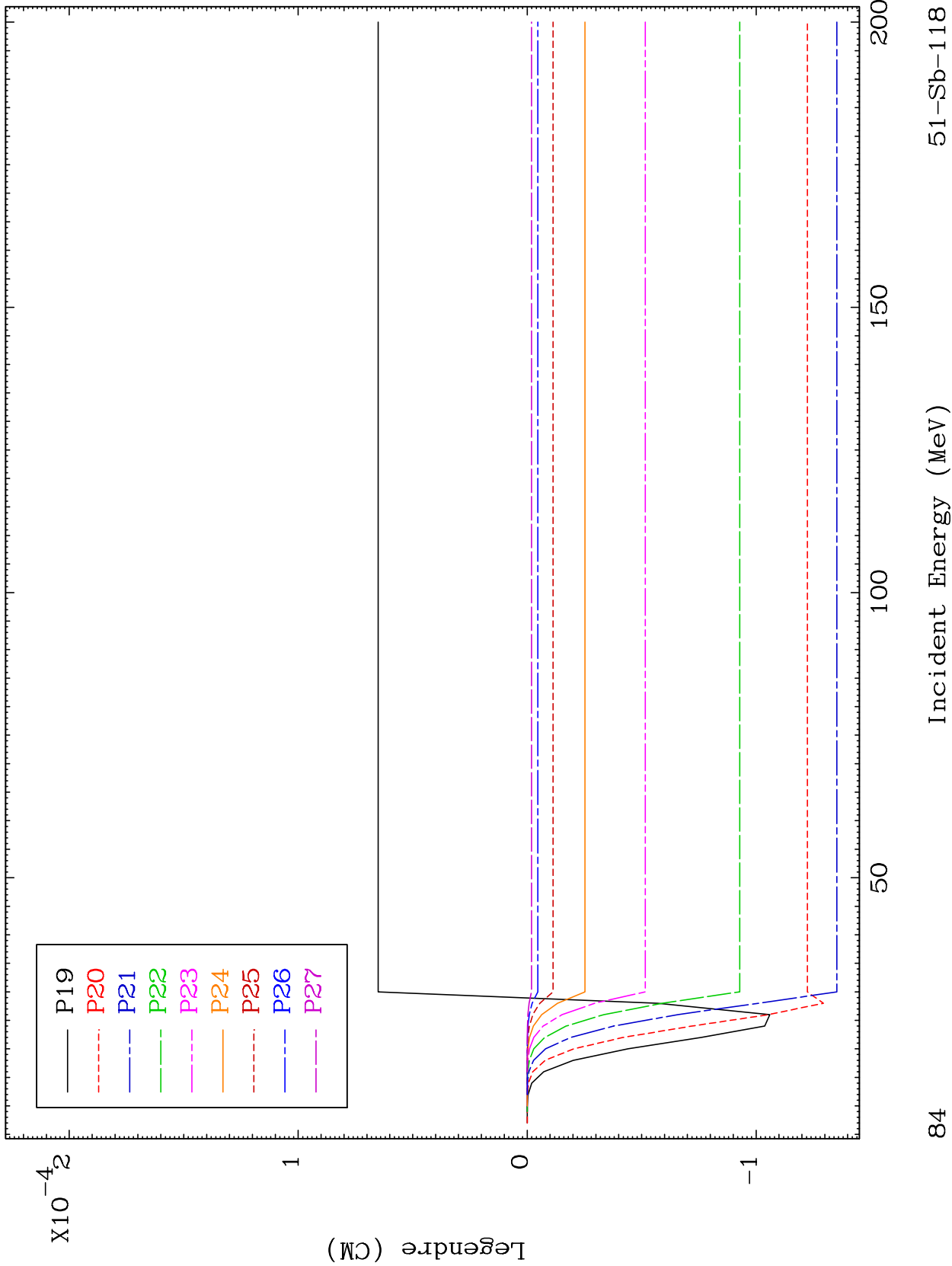
82

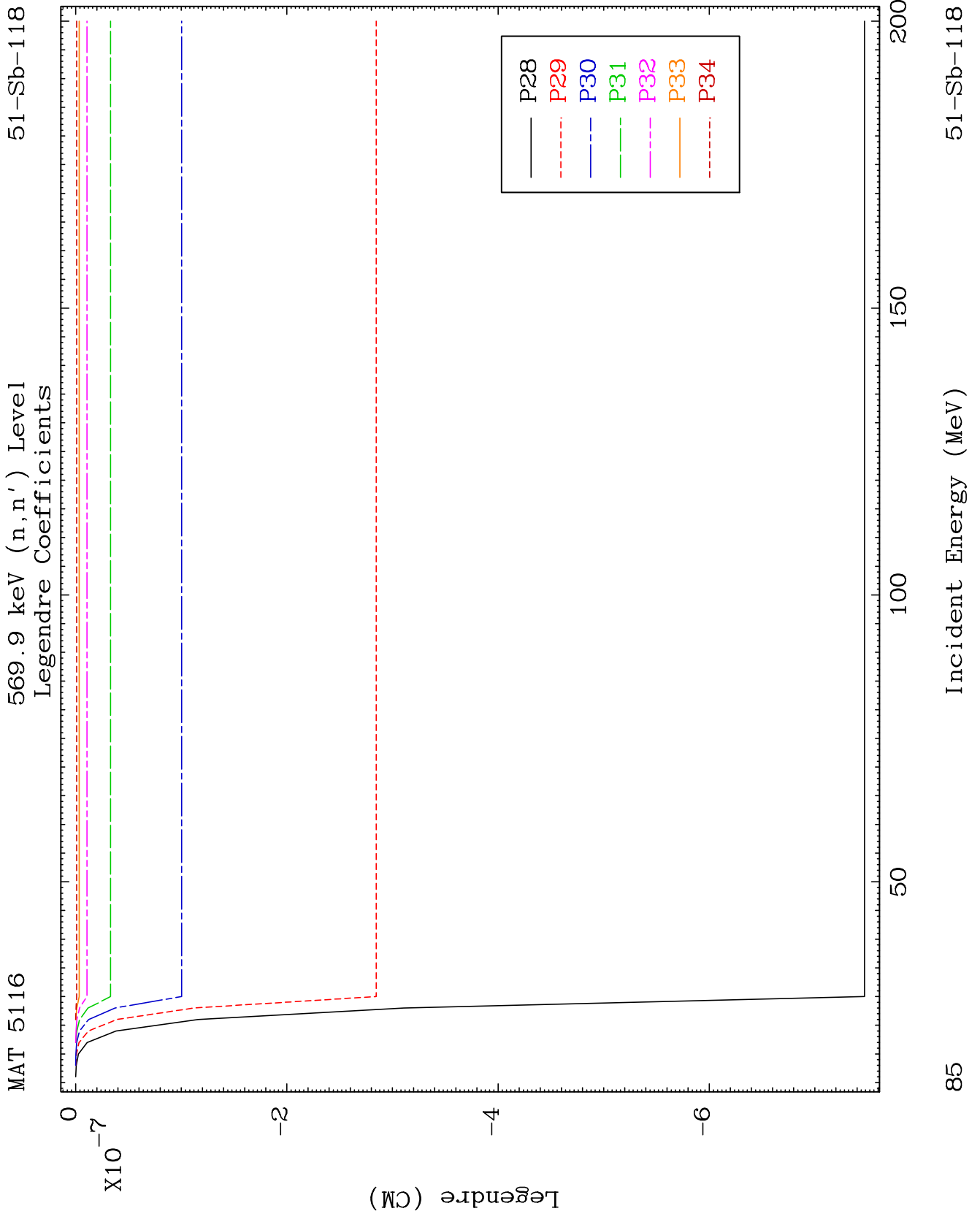
MAT 5116

569.9 keV (n,n') Level
Legendre Coefficients

51-Sb-118



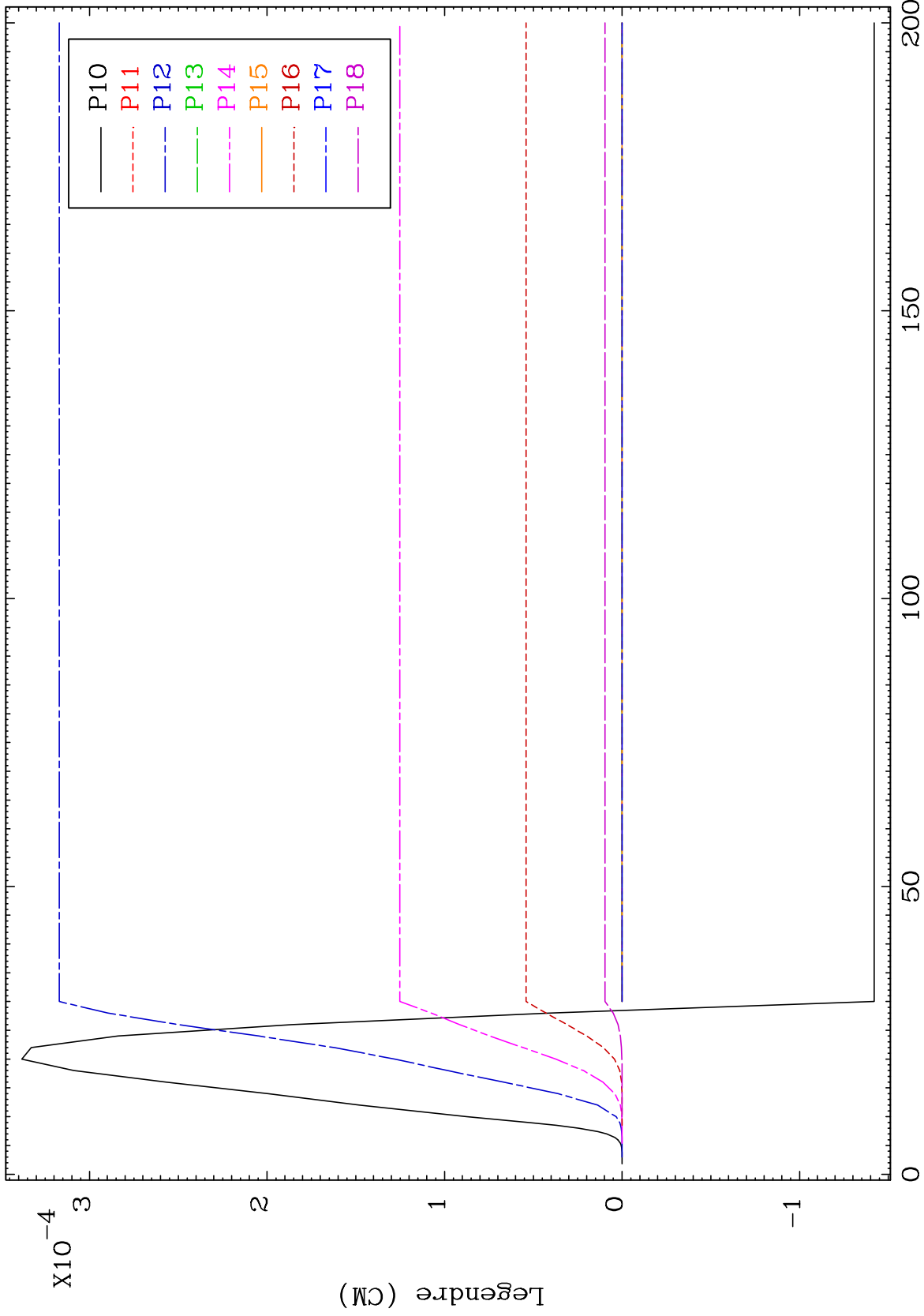




MAT 5116

606.3 keV (n,n') Level
Legendre Coefficients

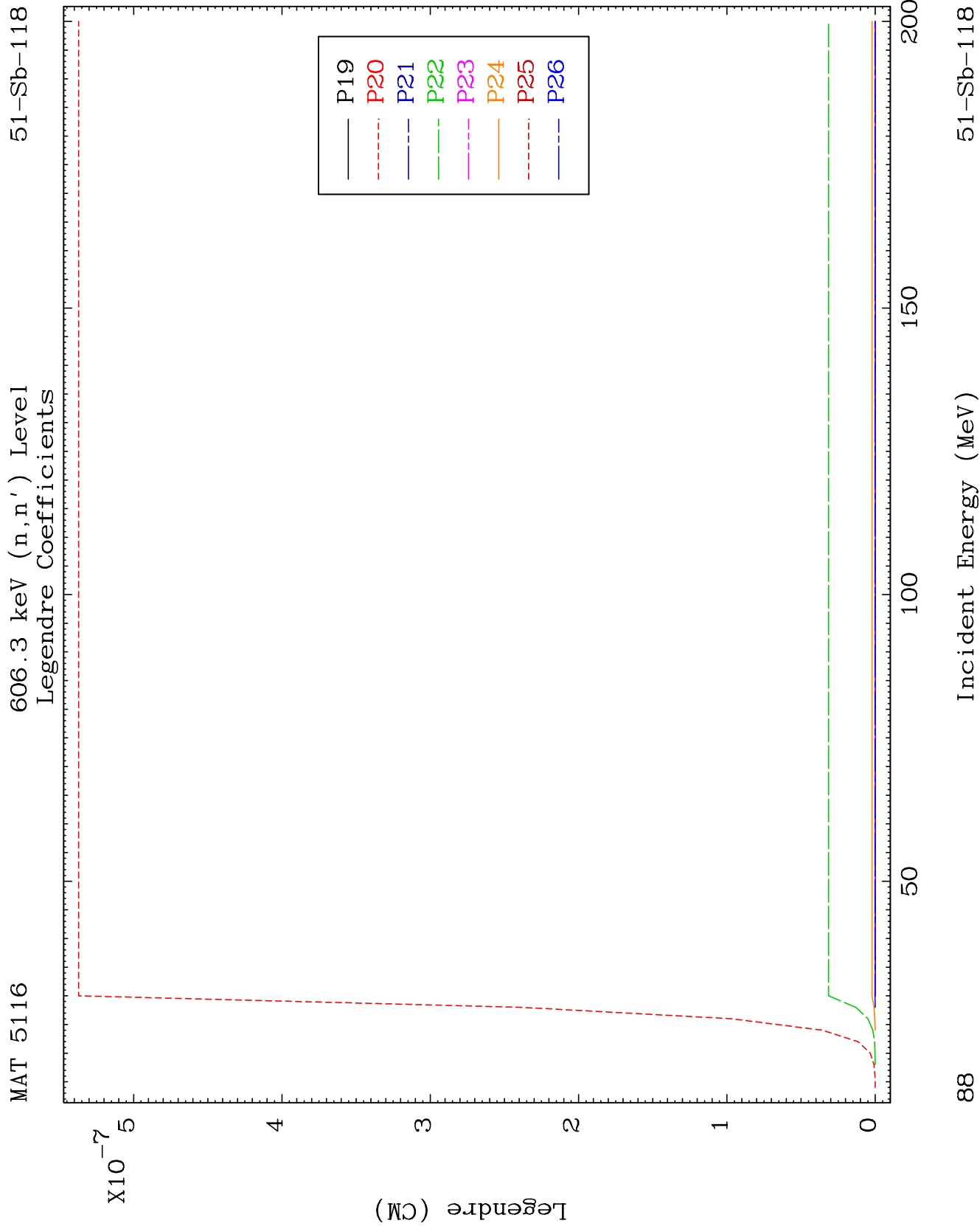
51-Sb-118

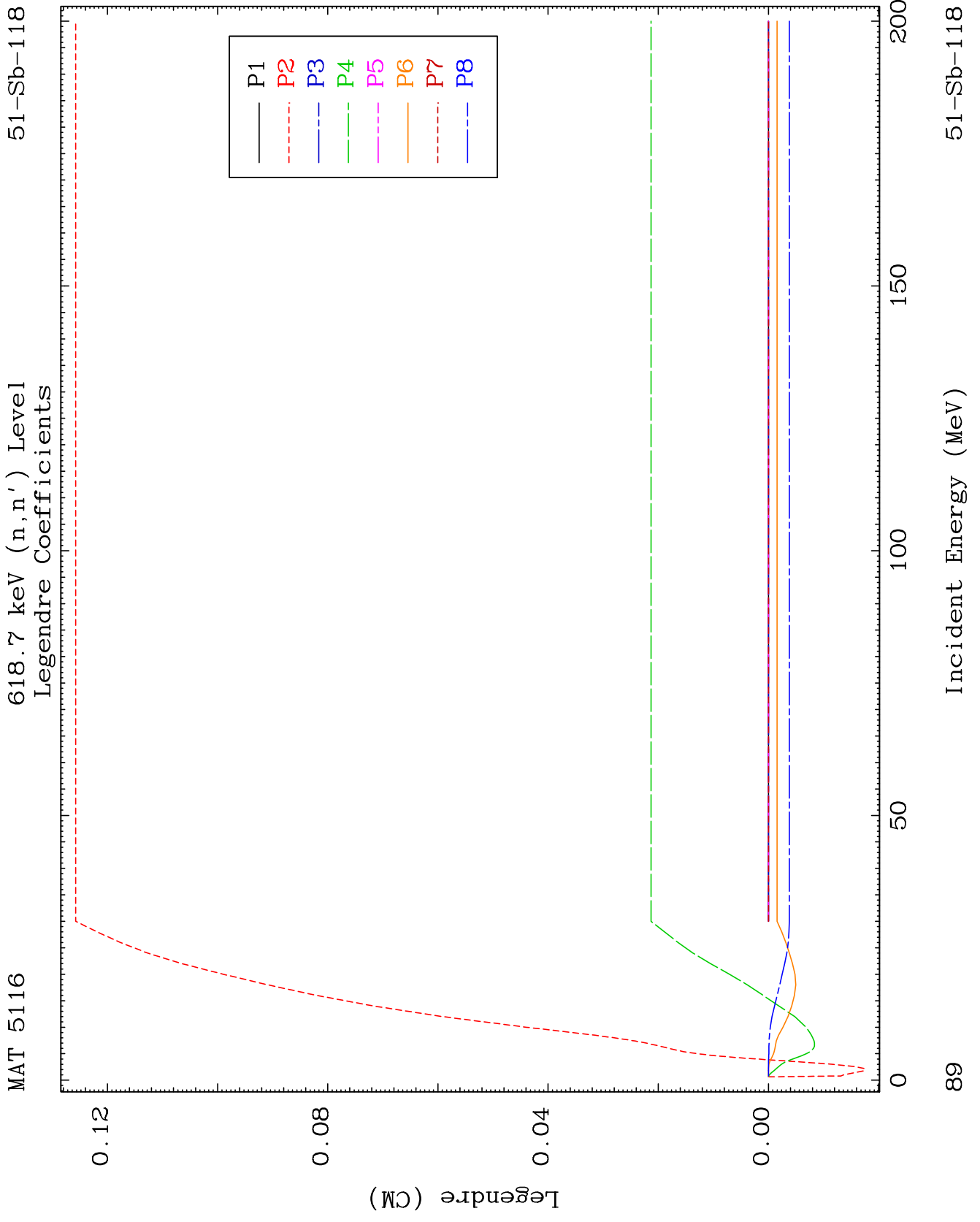


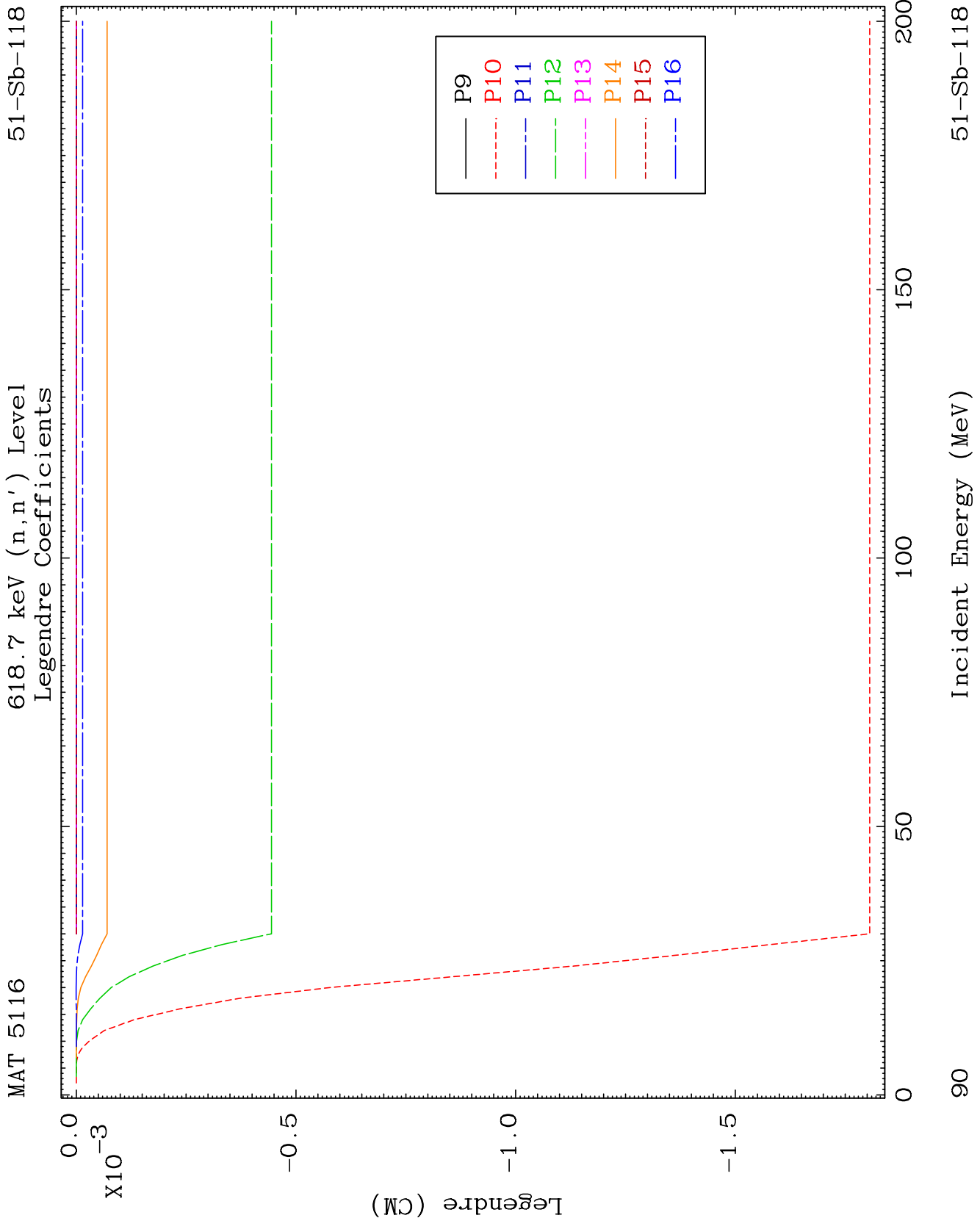
87

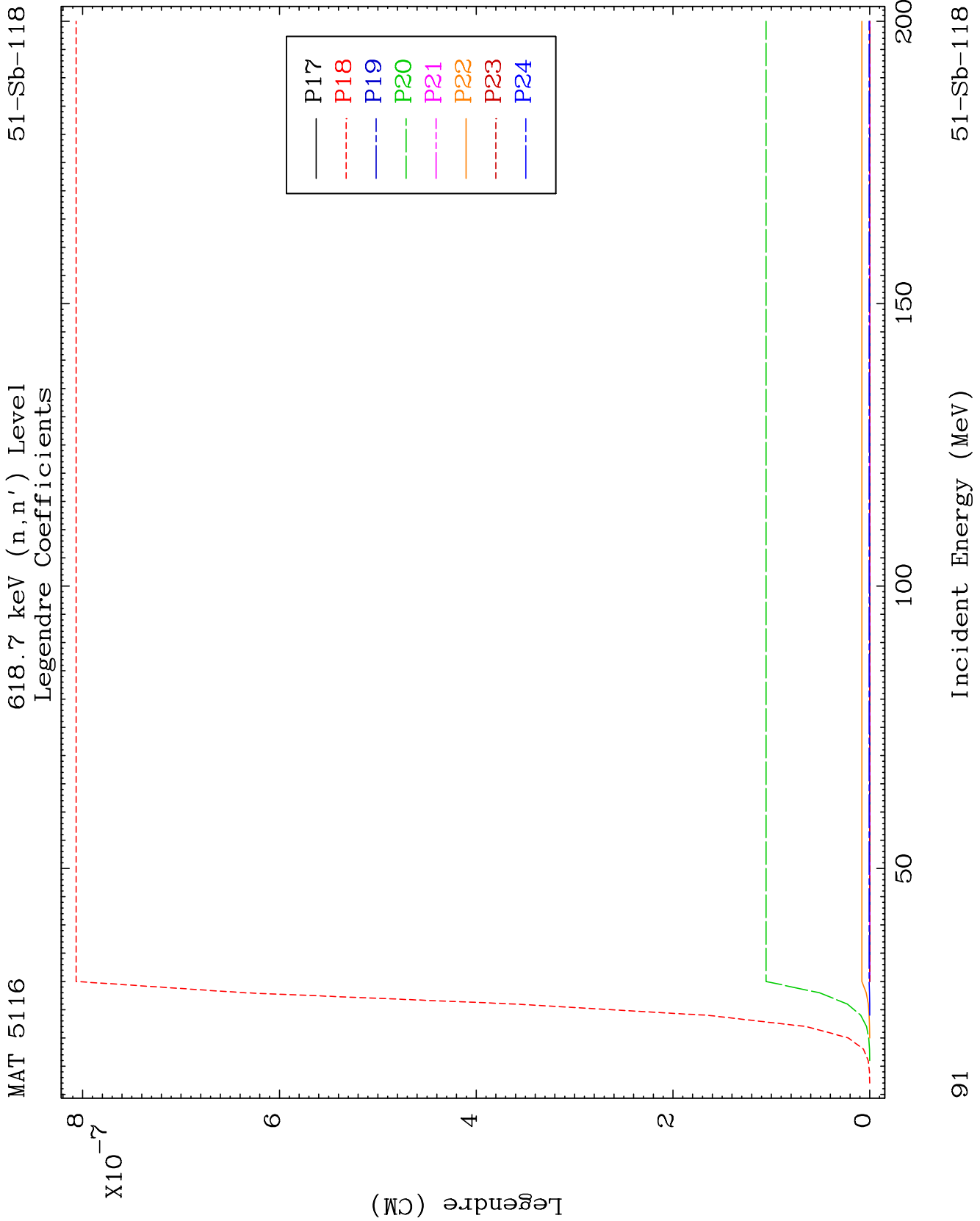
Incident Energy (MeV)

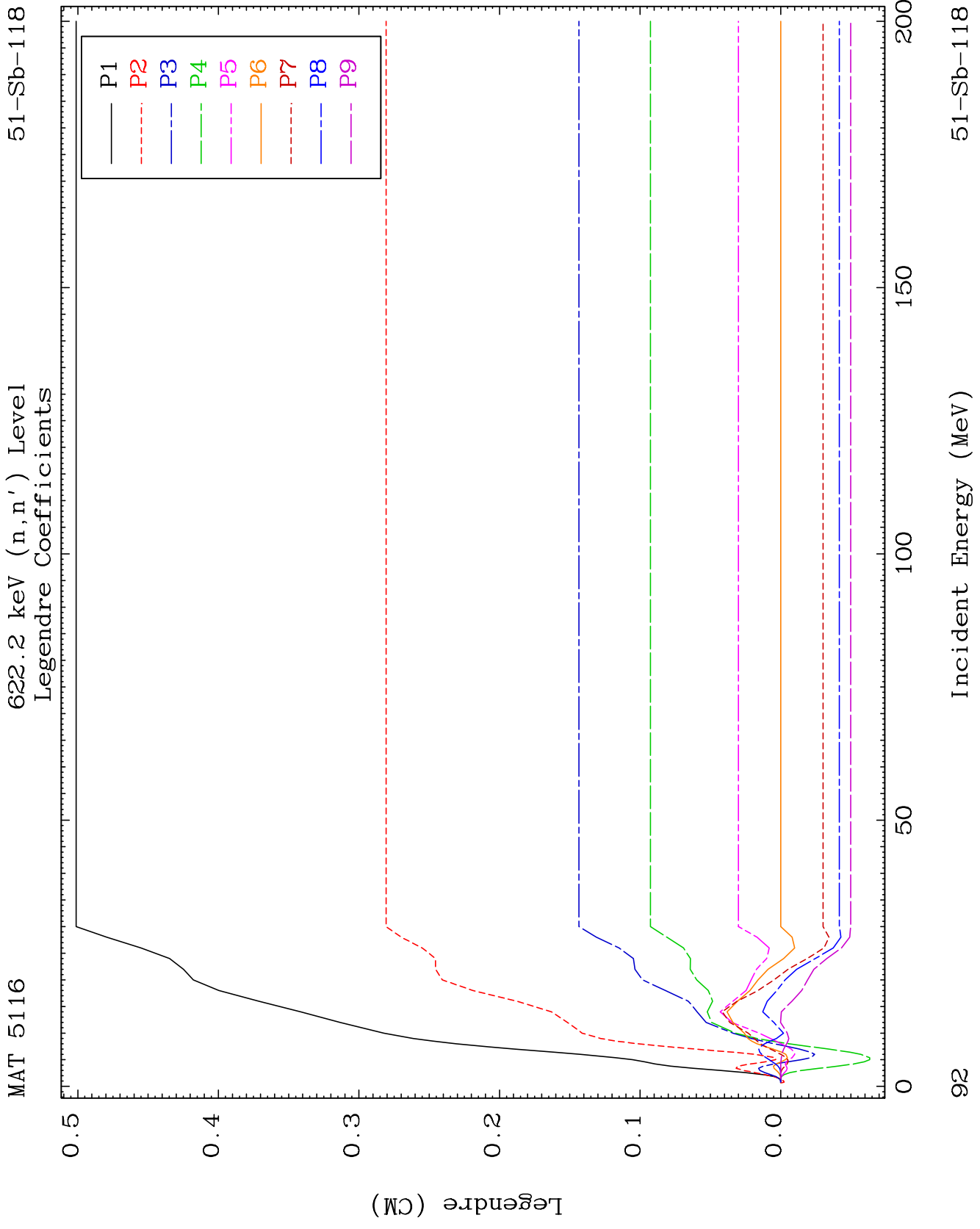
51-Sb-118

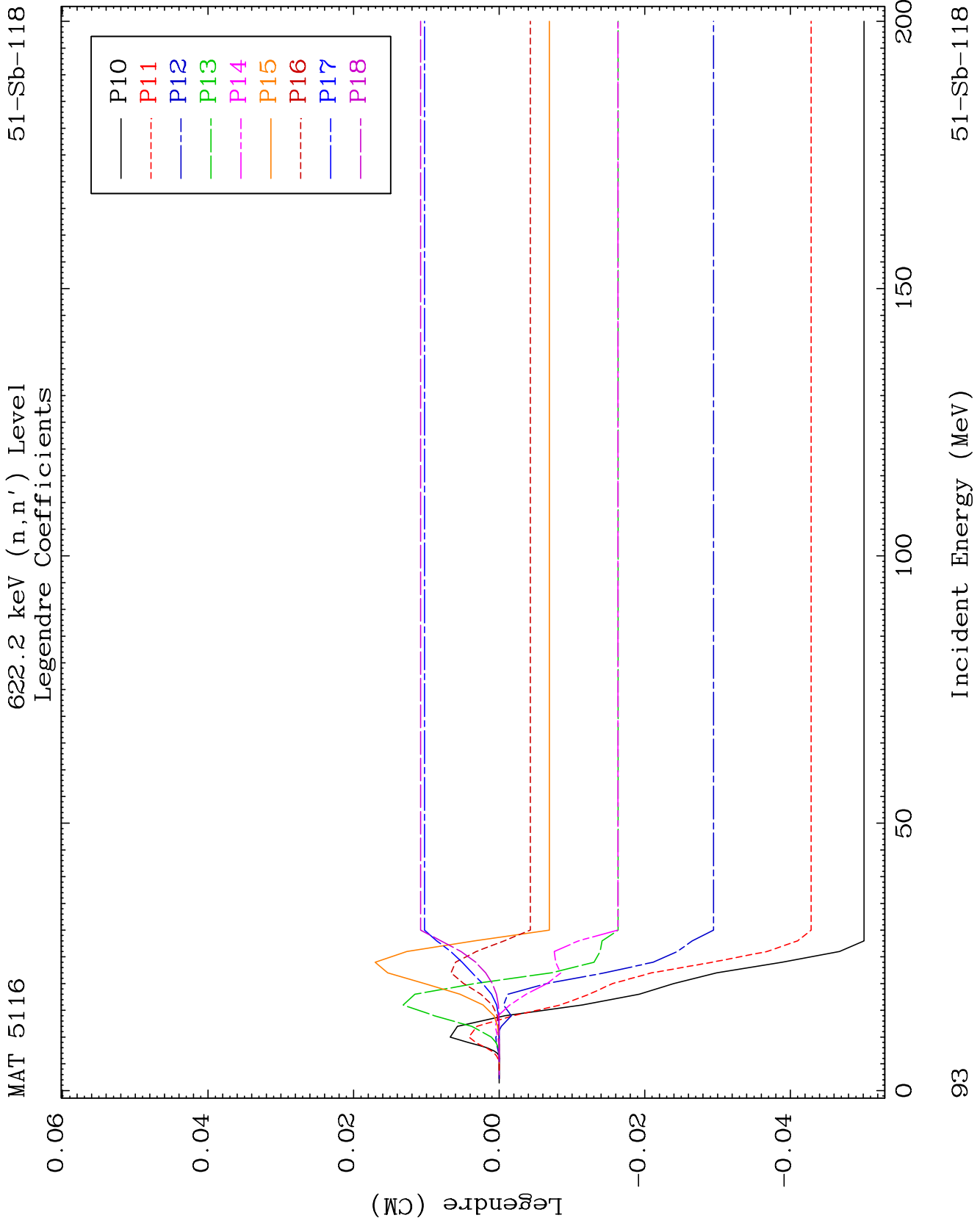








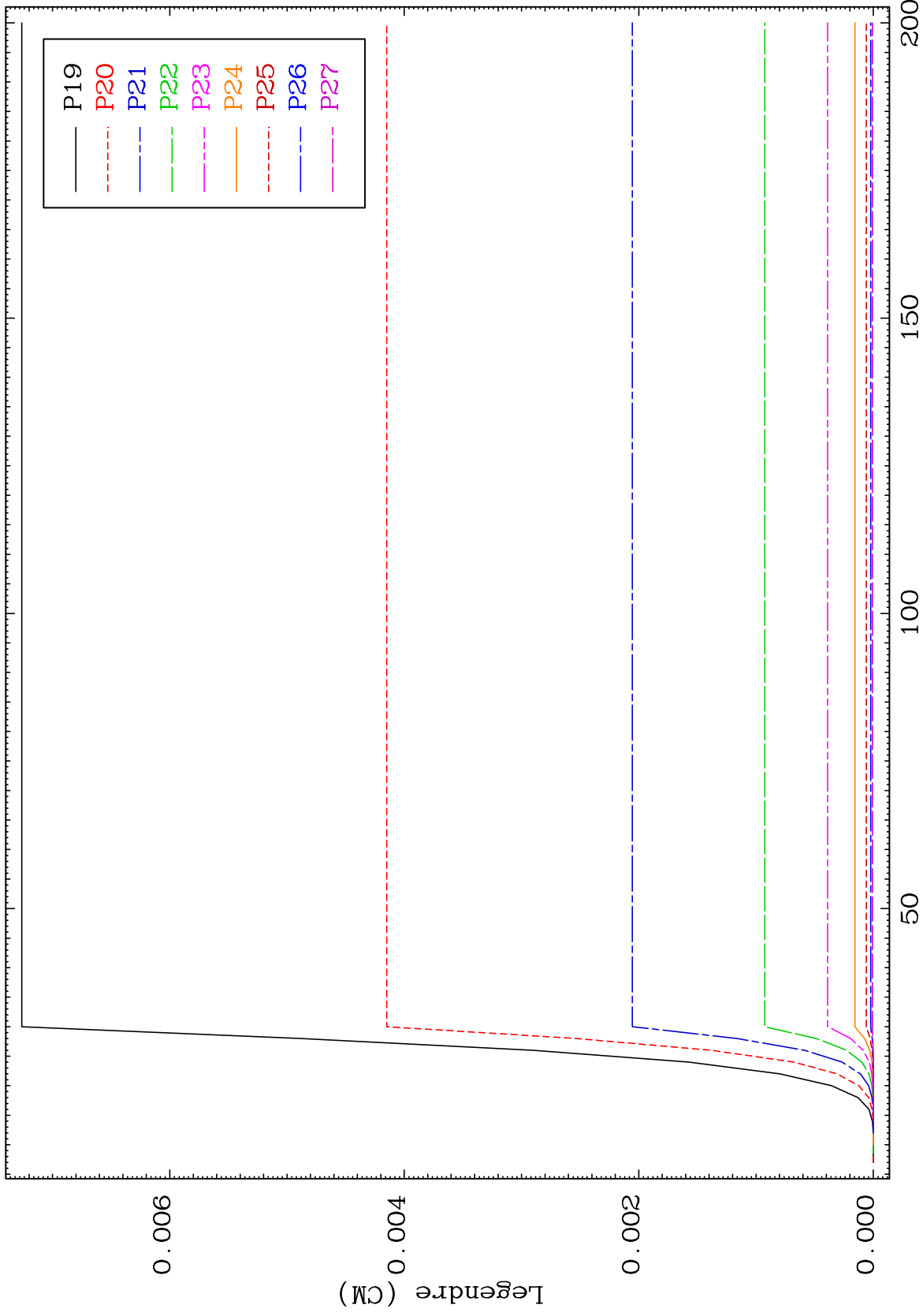




MAT 5116

622.2 keV (n,n') Level
Legendre Coefficients

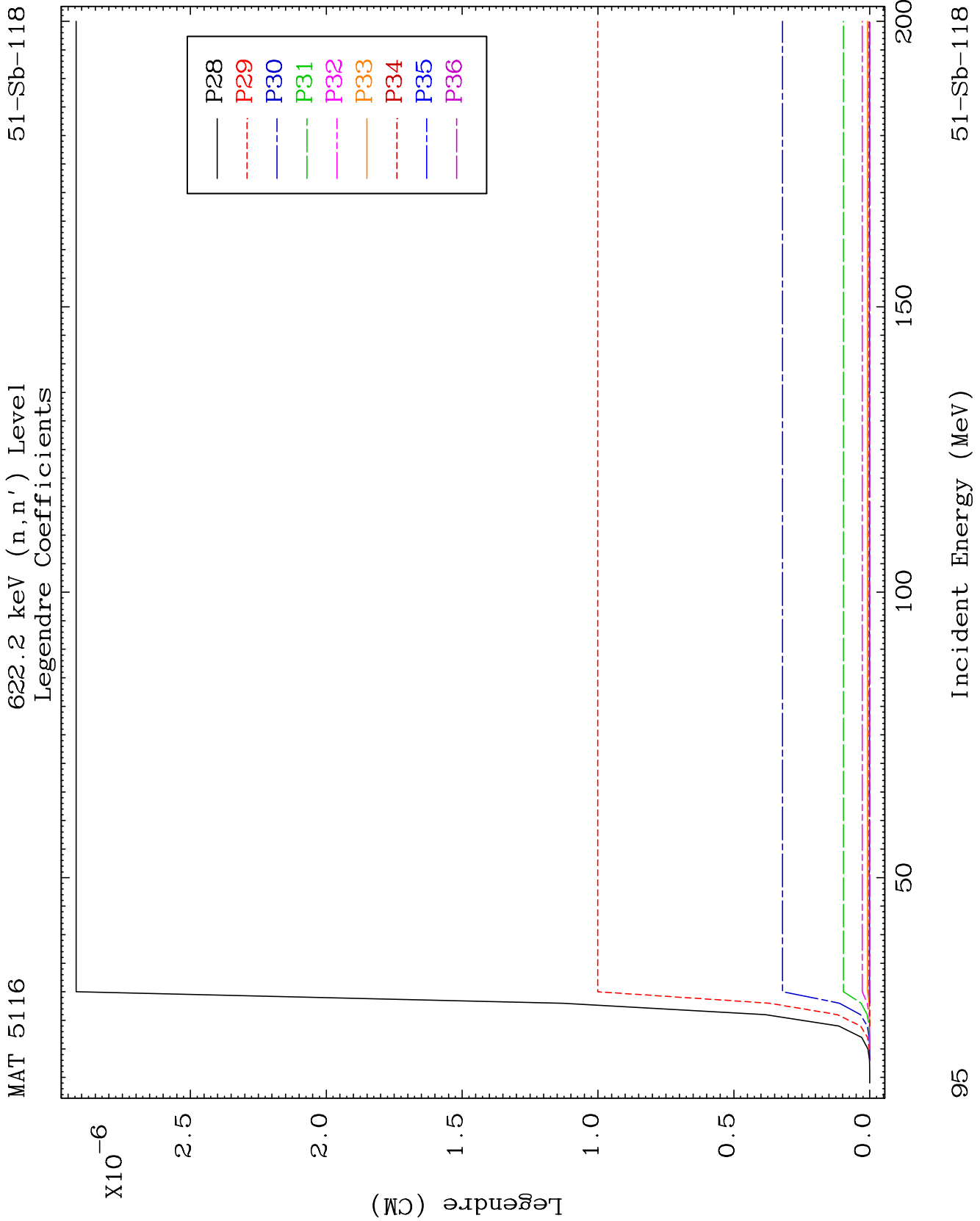
51-Sb-118

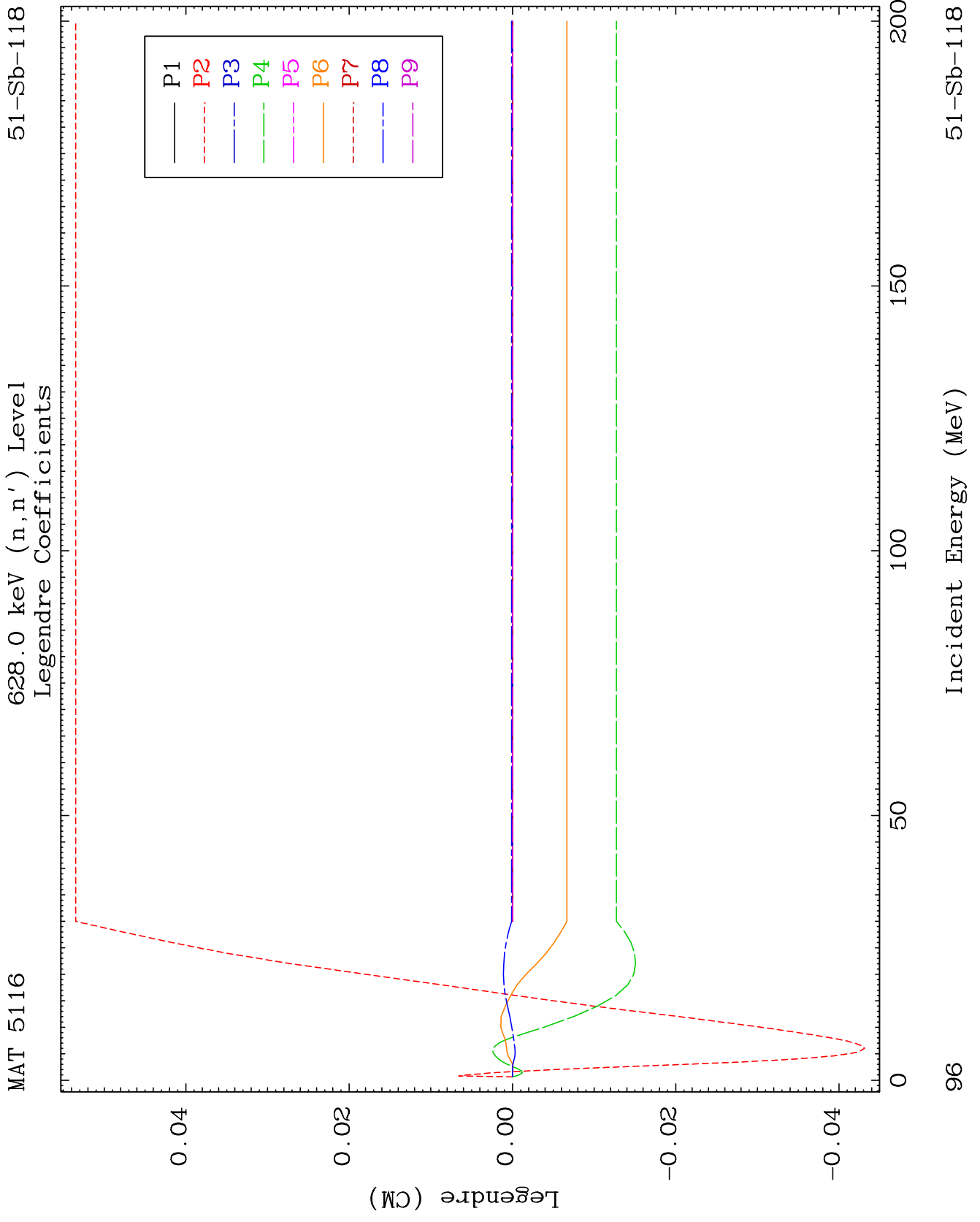


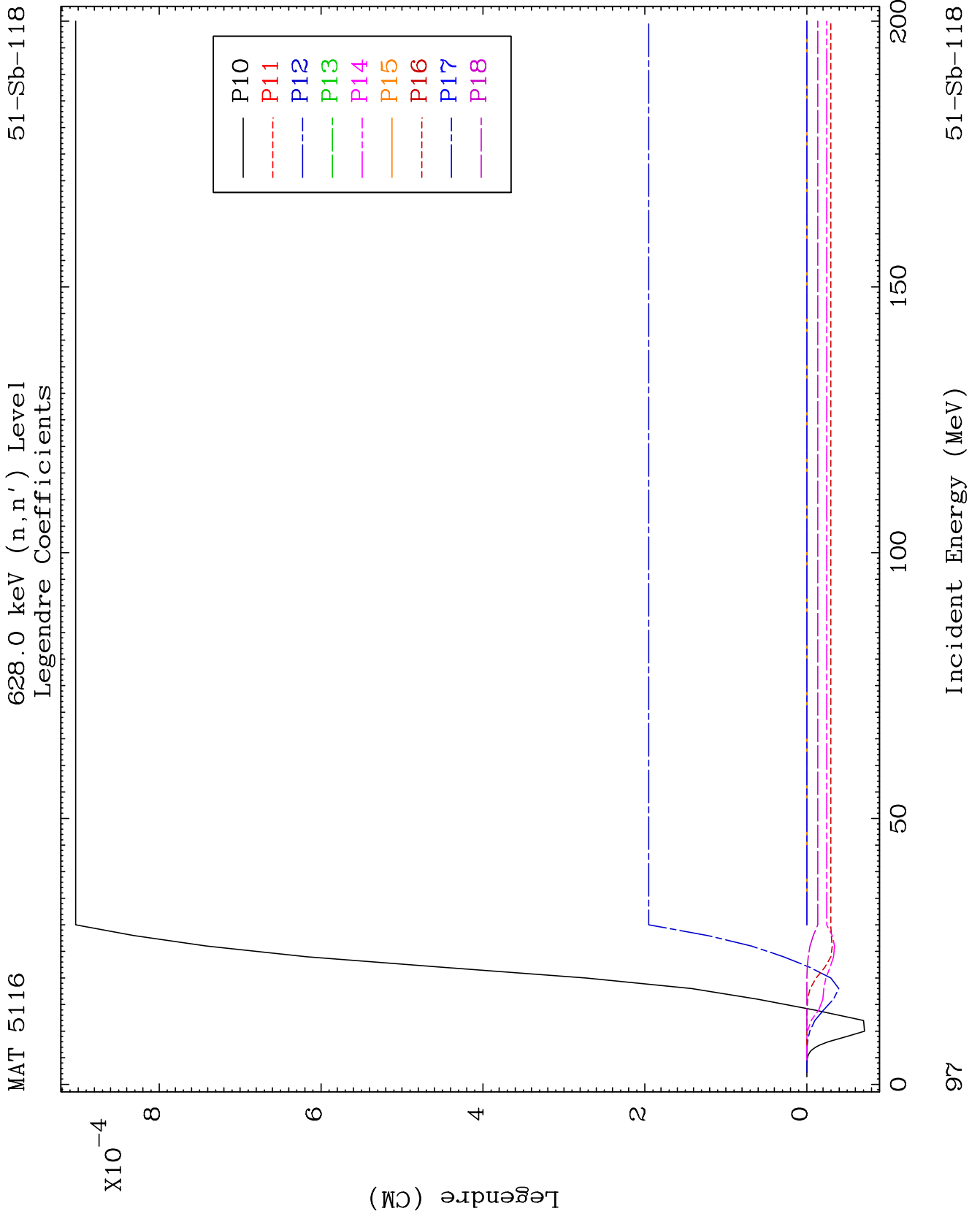
94

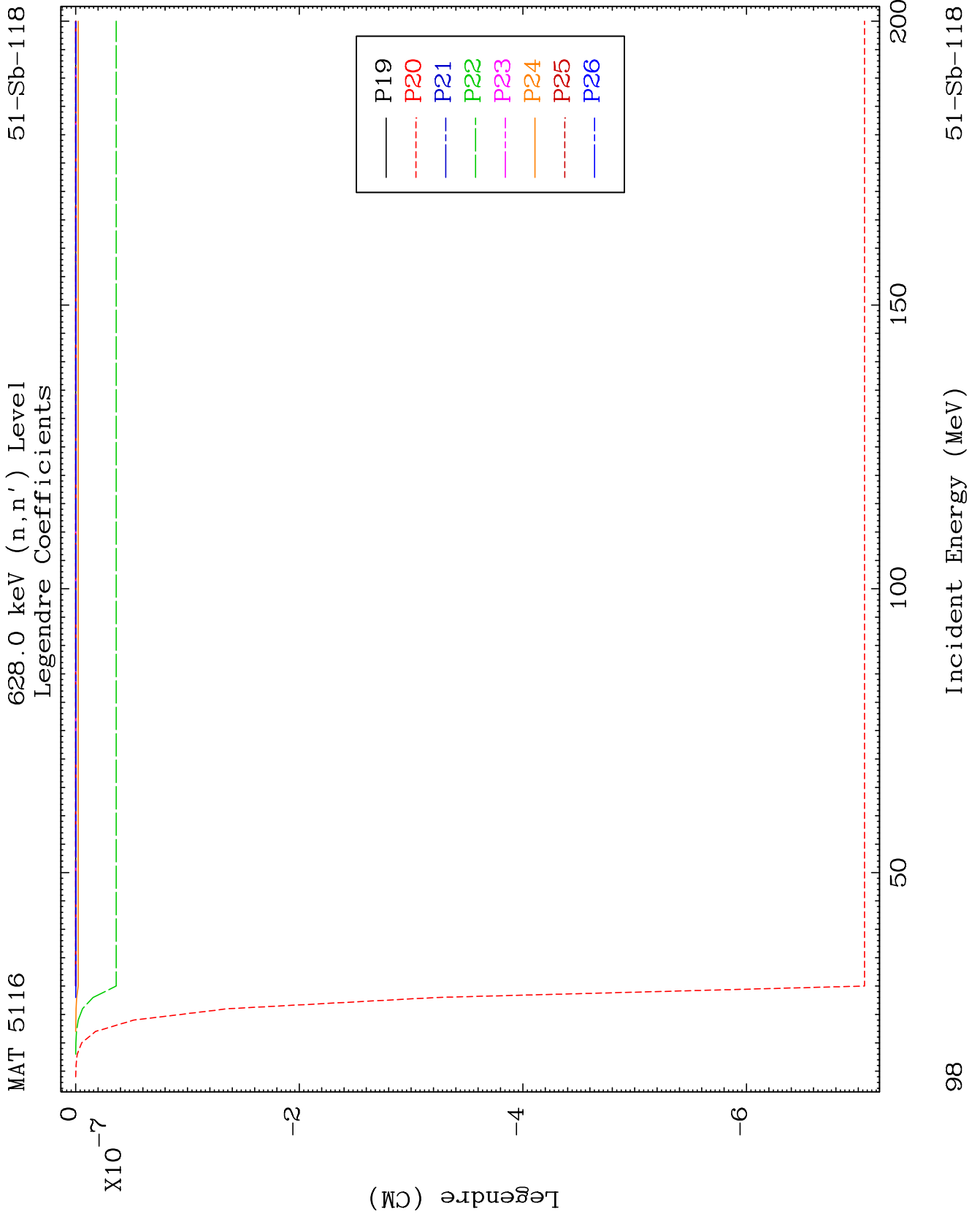
Incident Energy (MeV)

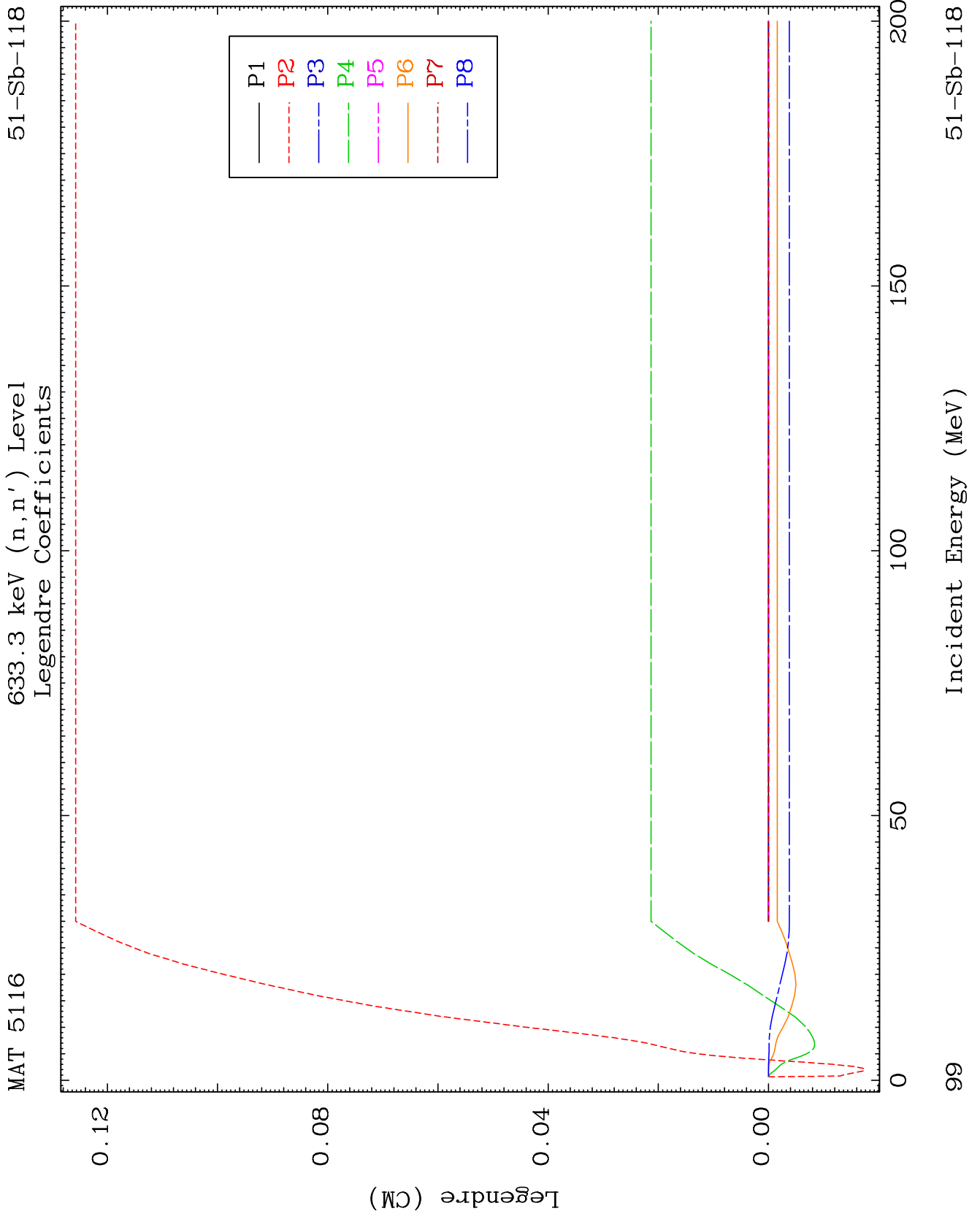
51-Sb-118

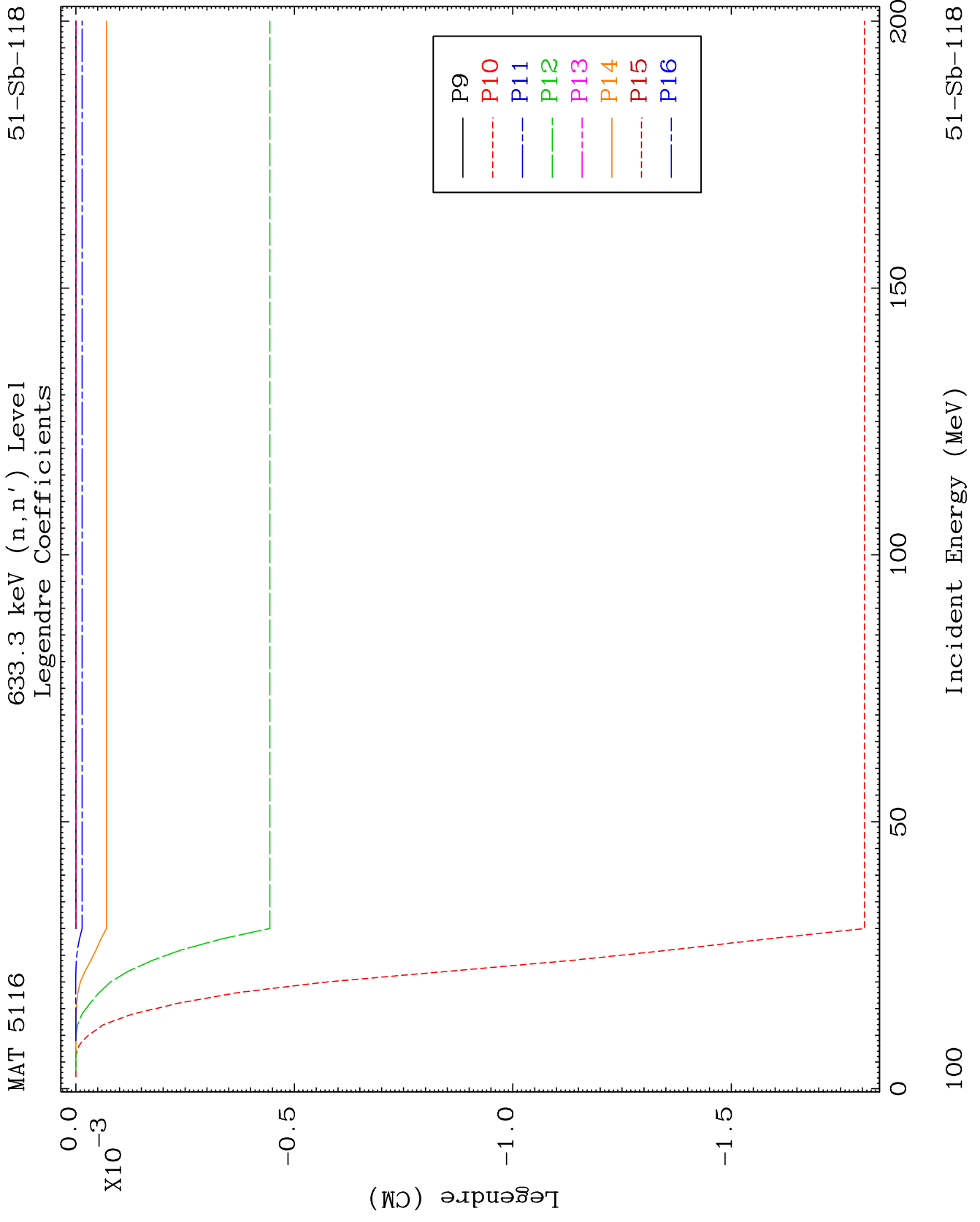


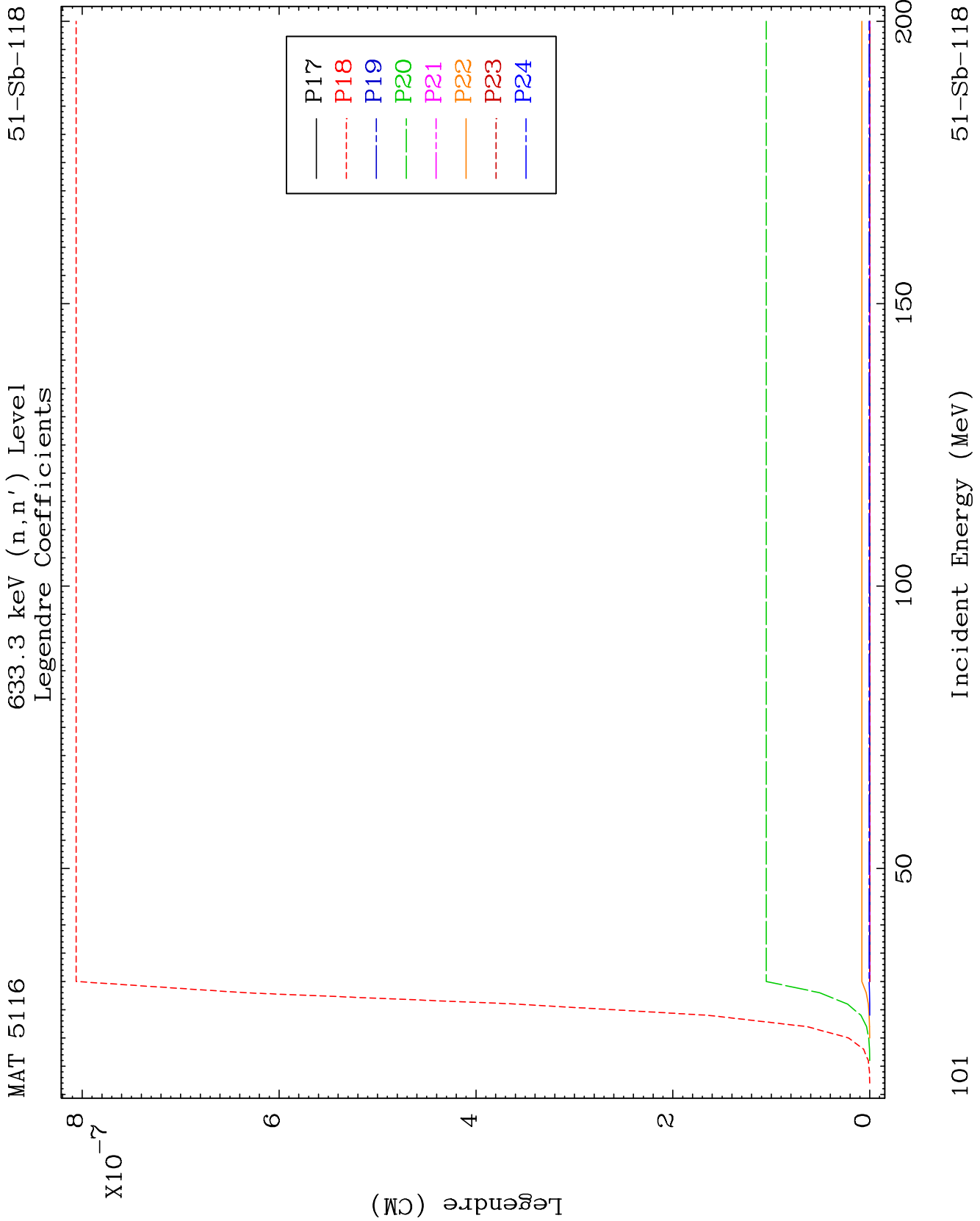








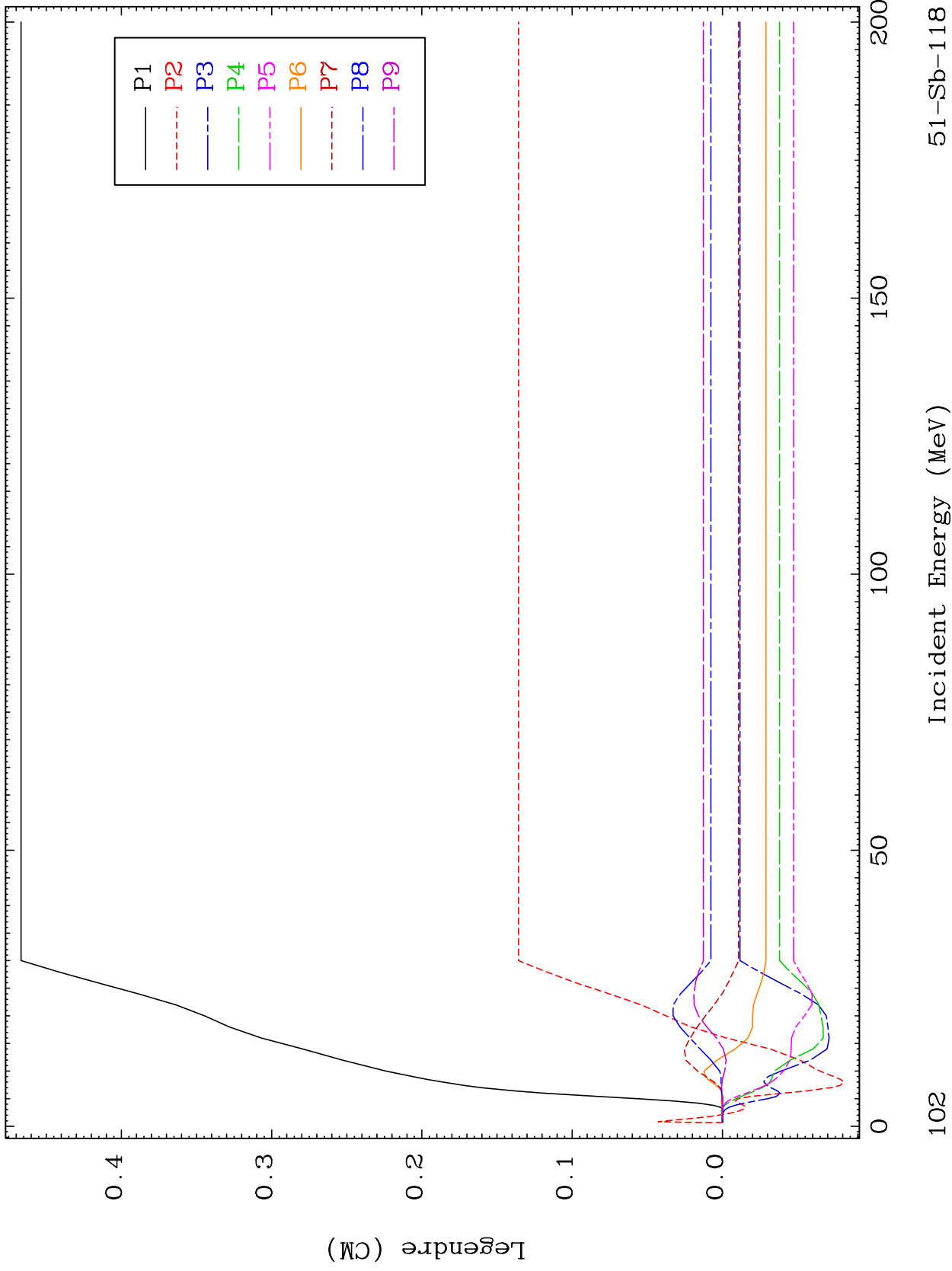




MAT 5116

637.6 keV (n,n') Level
Legendre Coefficients

51-Sb-118



51-Sb-118

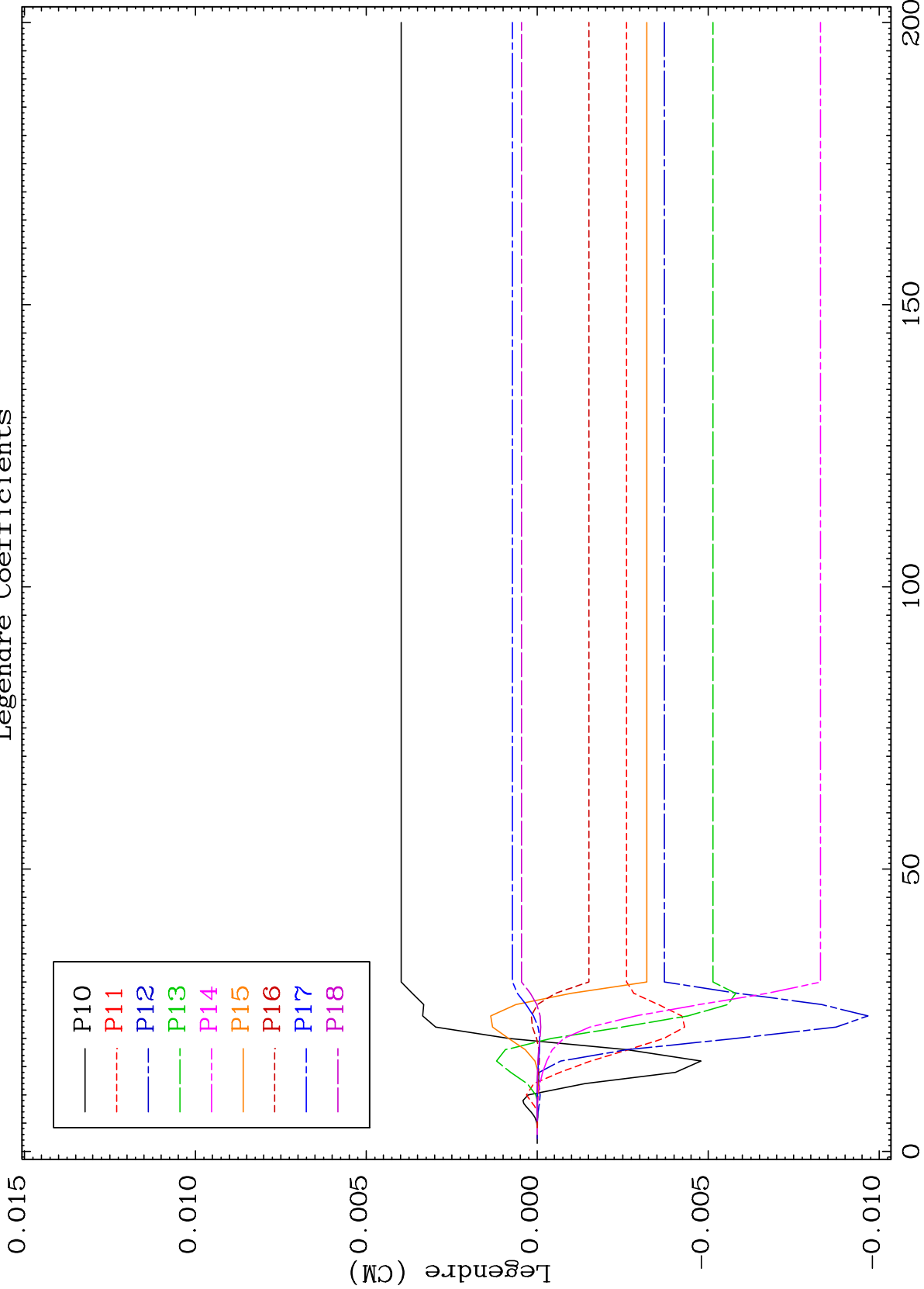
Incident Energy (MeV)

102

MAT 5116

637.6 keV (n,n') Level
Legendre Coefficients

51-Sb-118



103

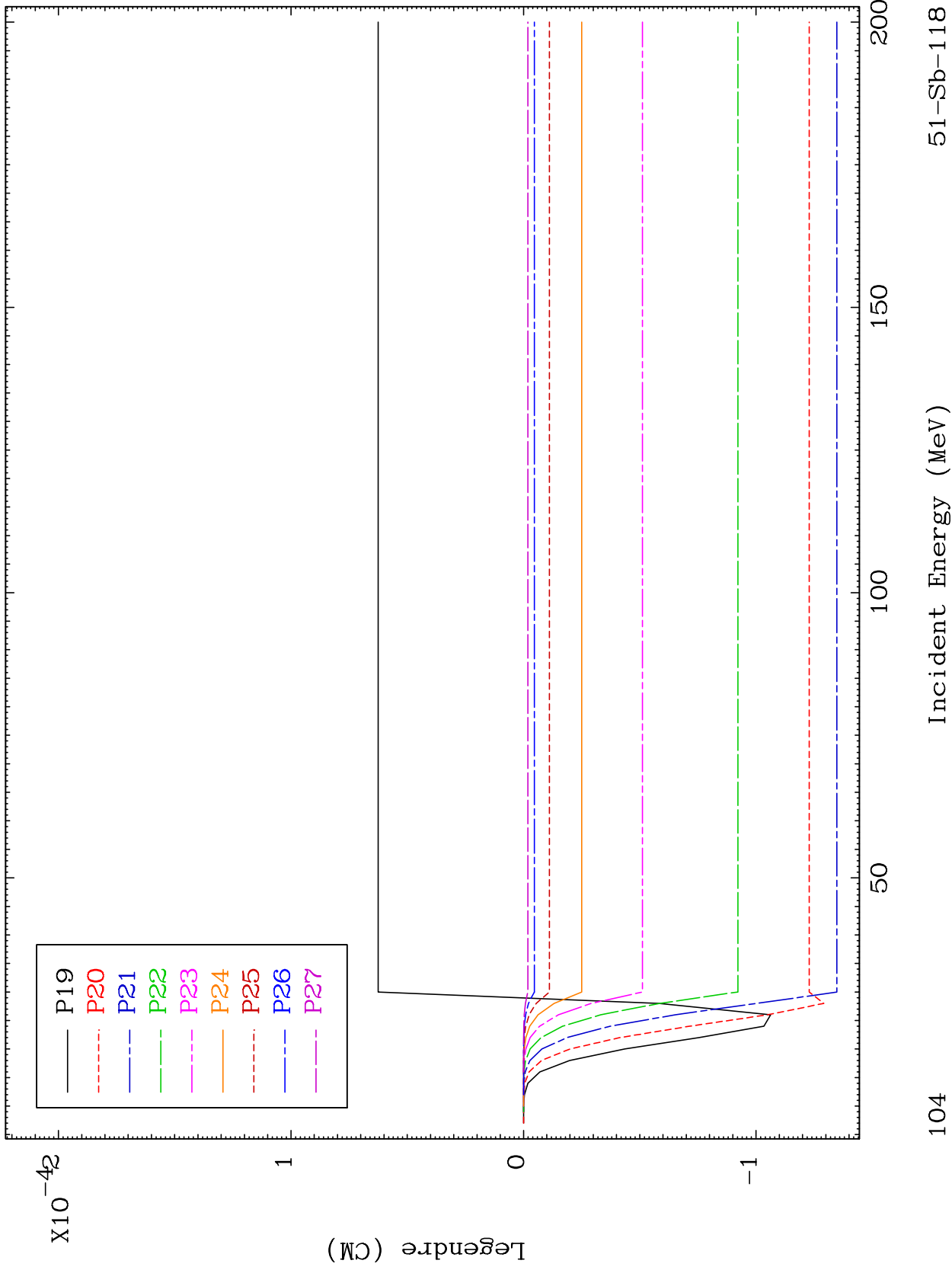
Incident Energy (MeV)

51-Sb-118

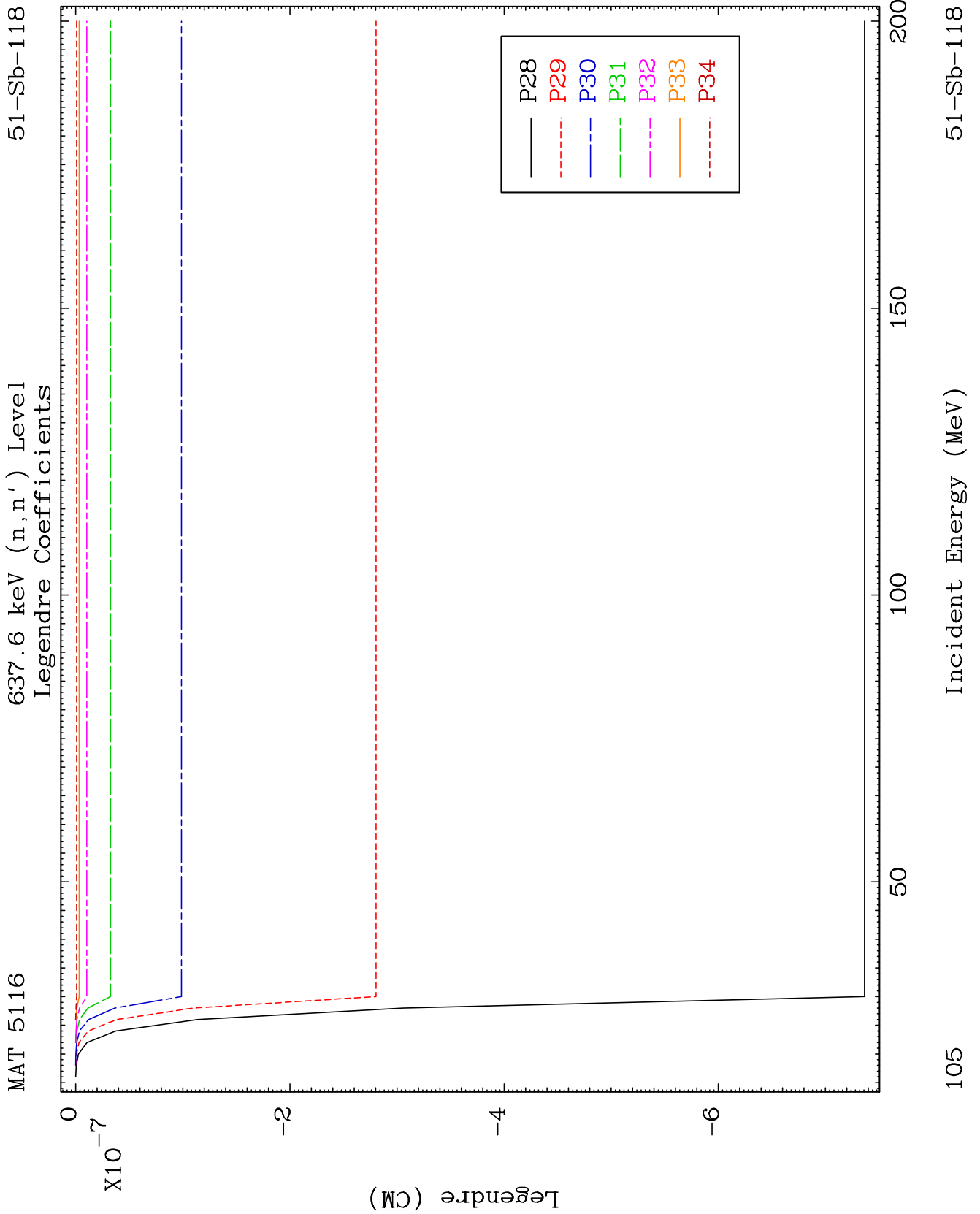
MAT 5116

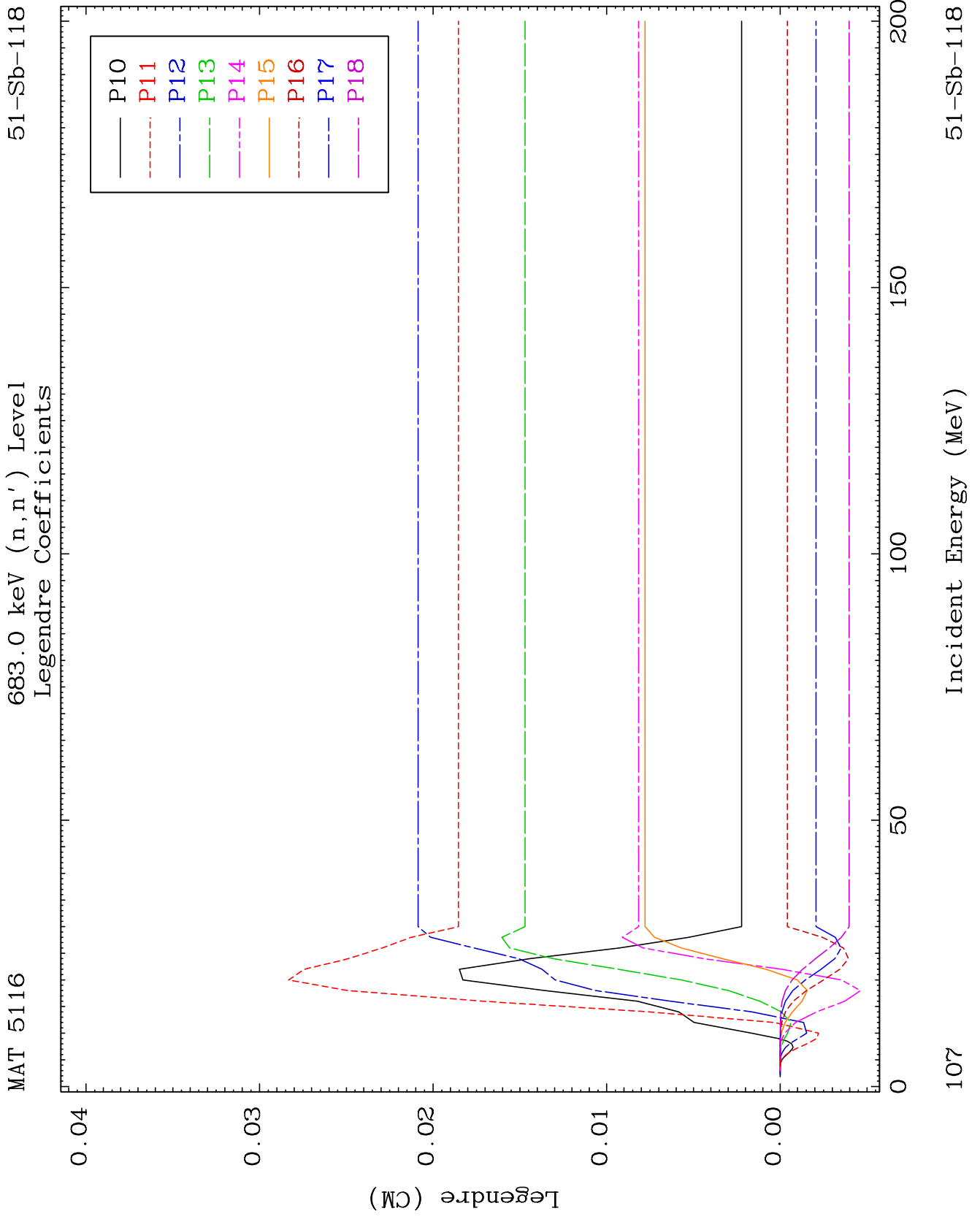
637.6 keV (n,n') Level
Legendre Coefficients

51-Sb-118



104

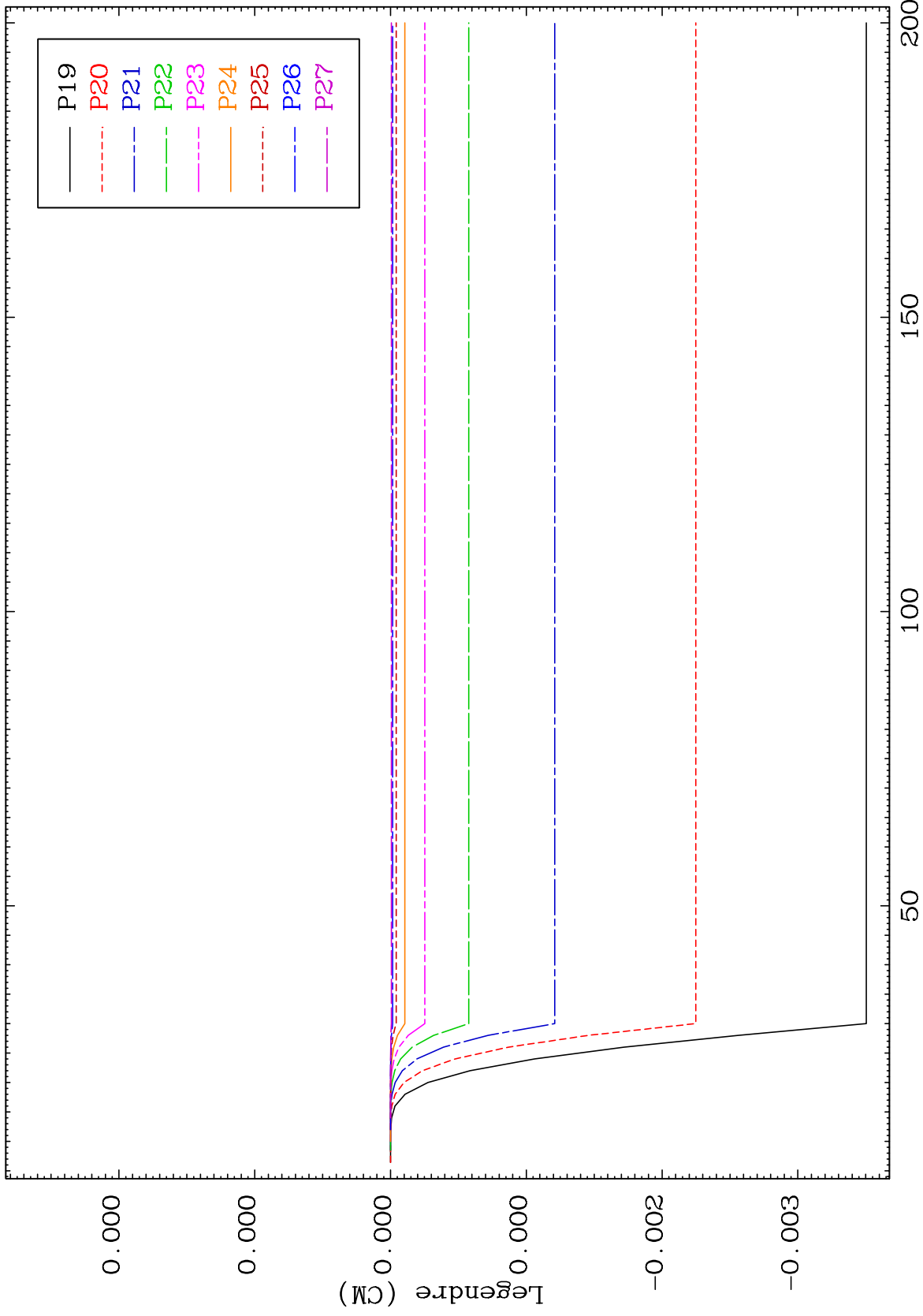




MAT 5116

683.0 keV (n,n') Level
Legendre Coefficients

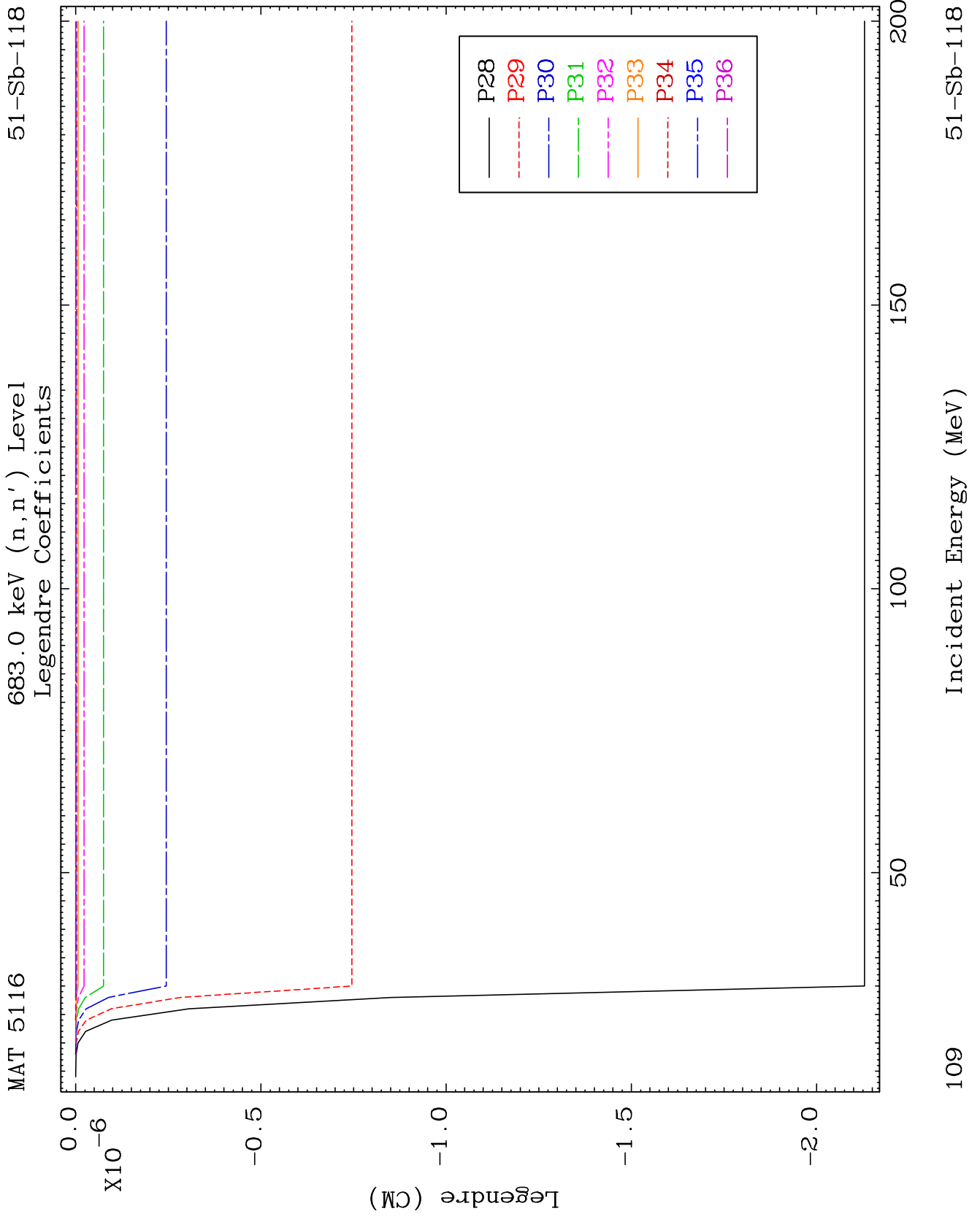
51-Sb-118

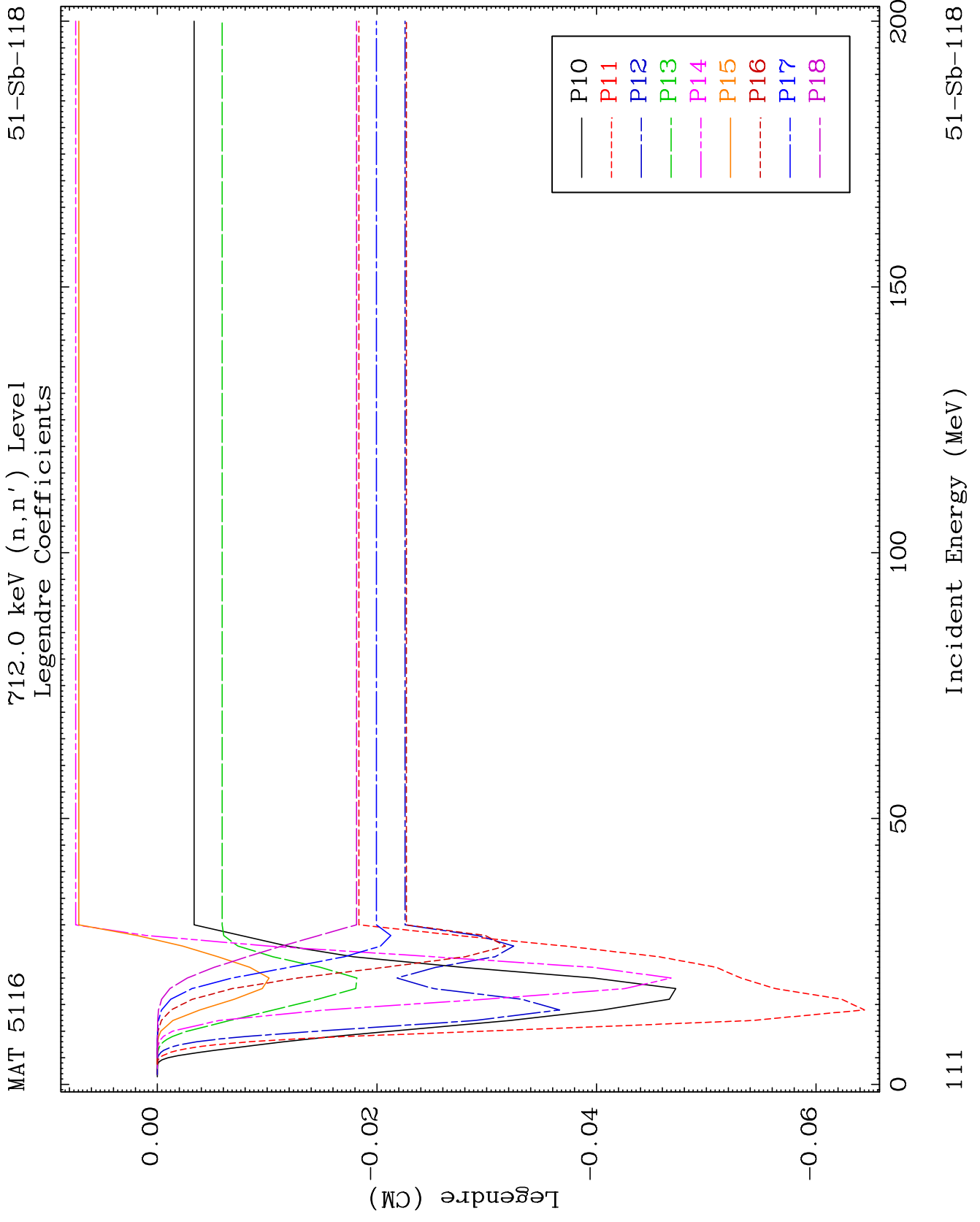


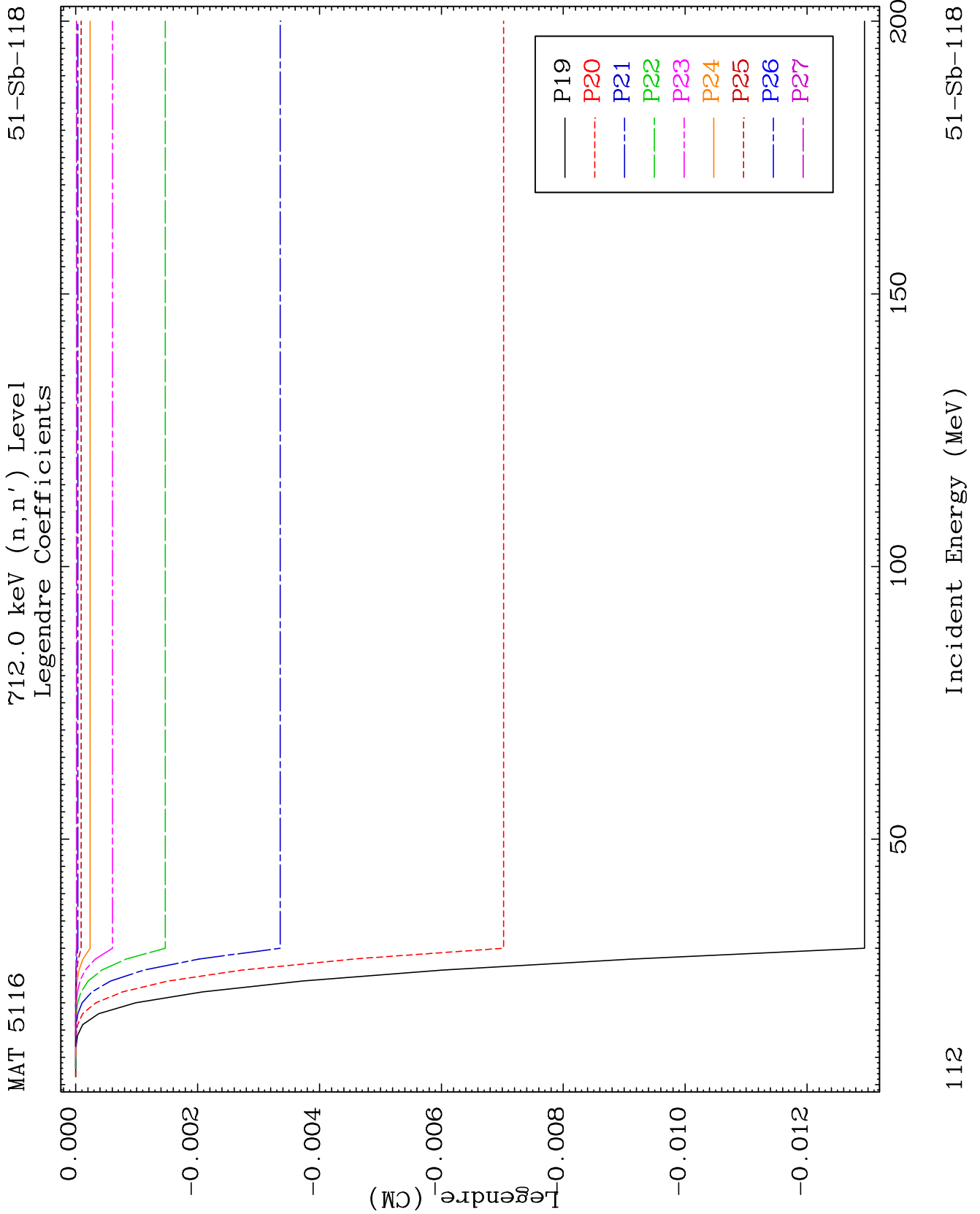
108

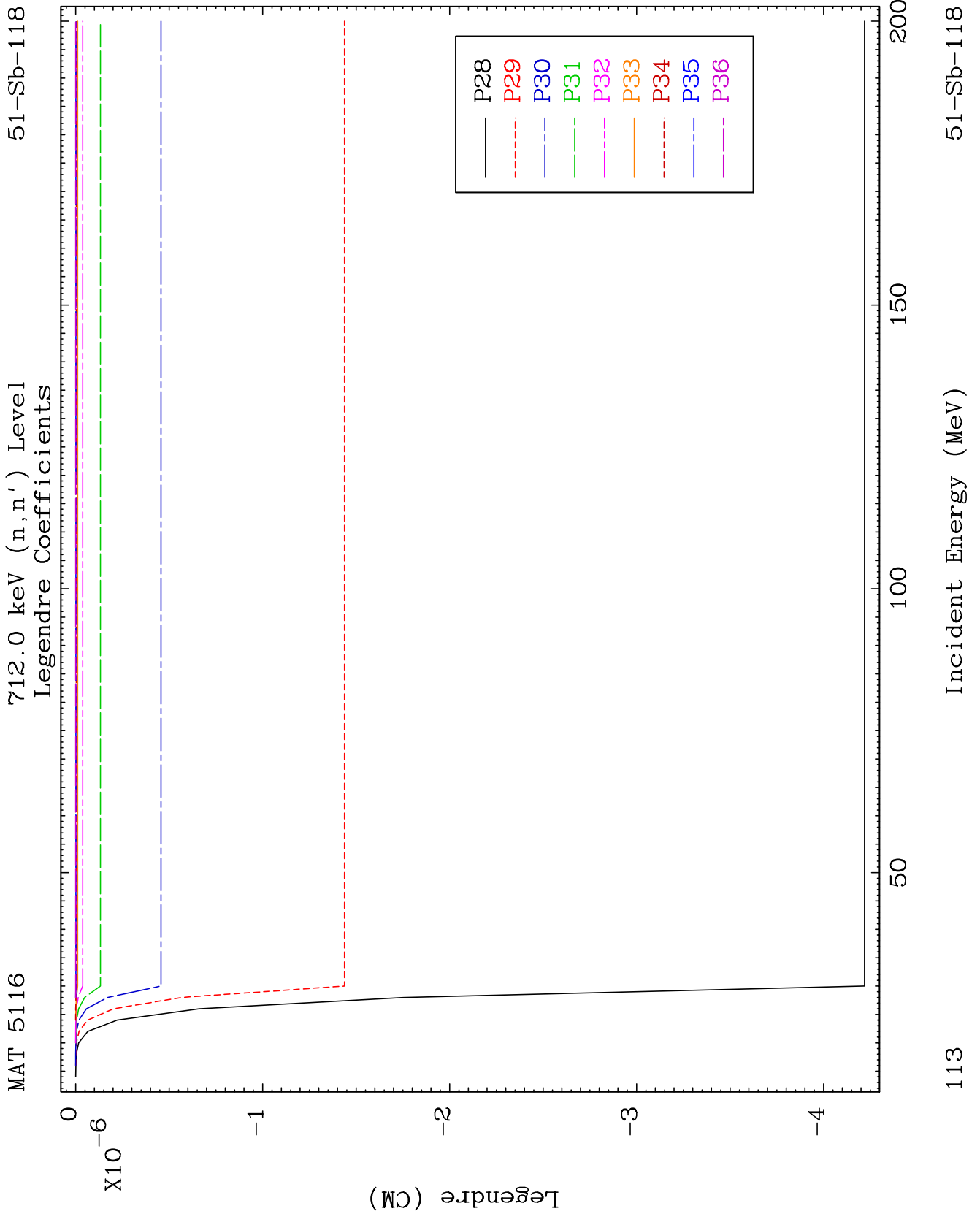
Incident Energy (MeV)

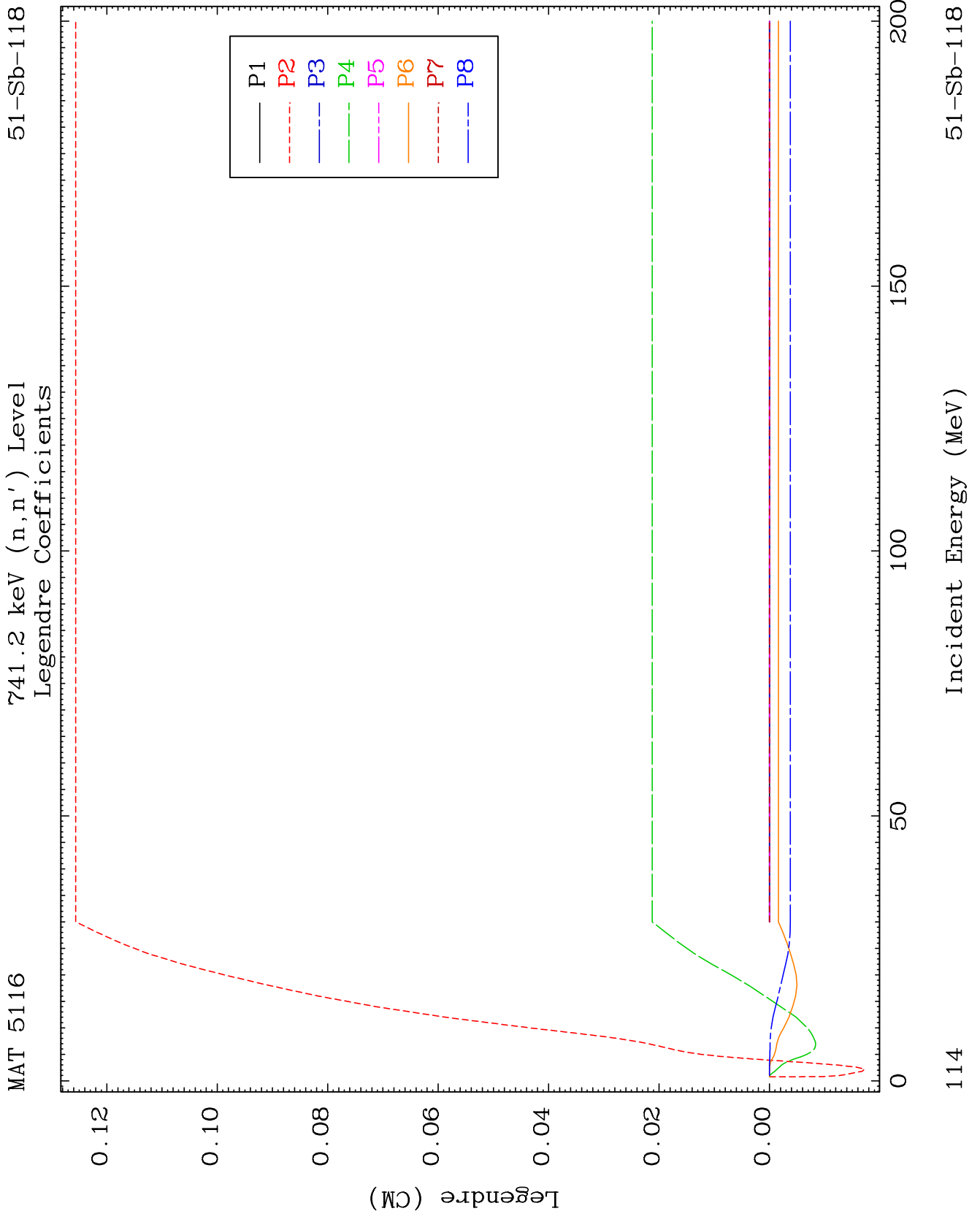
51-Sb-118

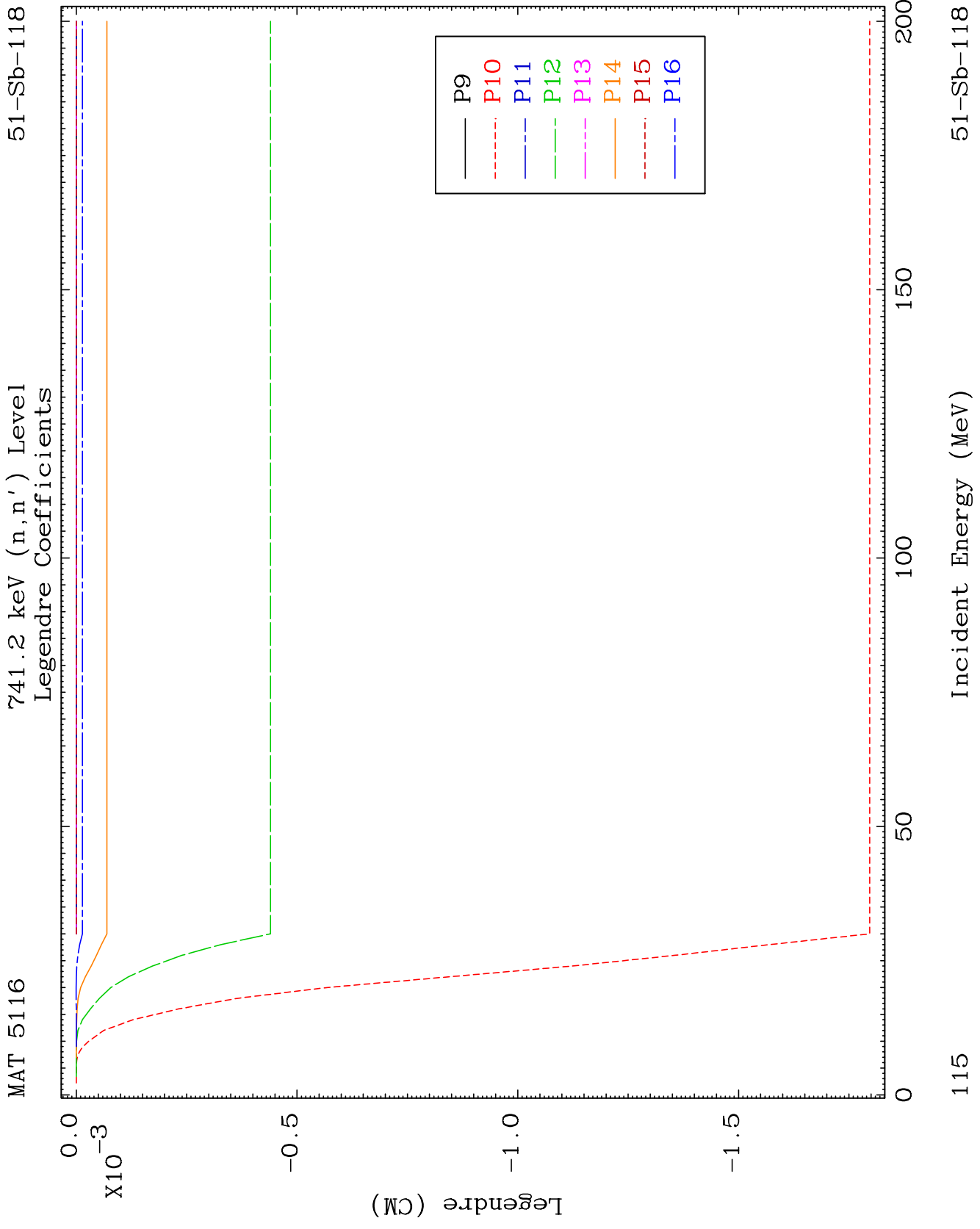


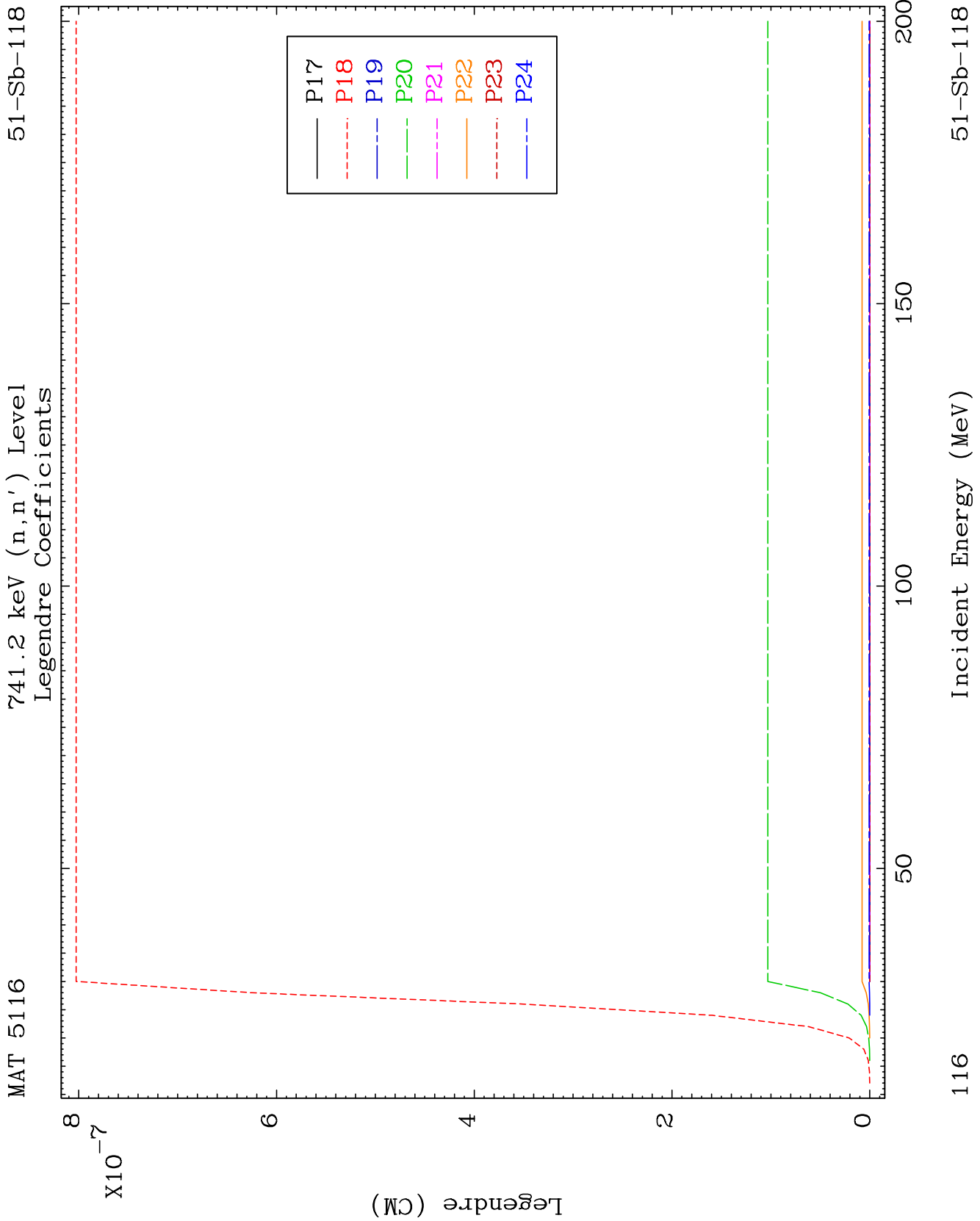


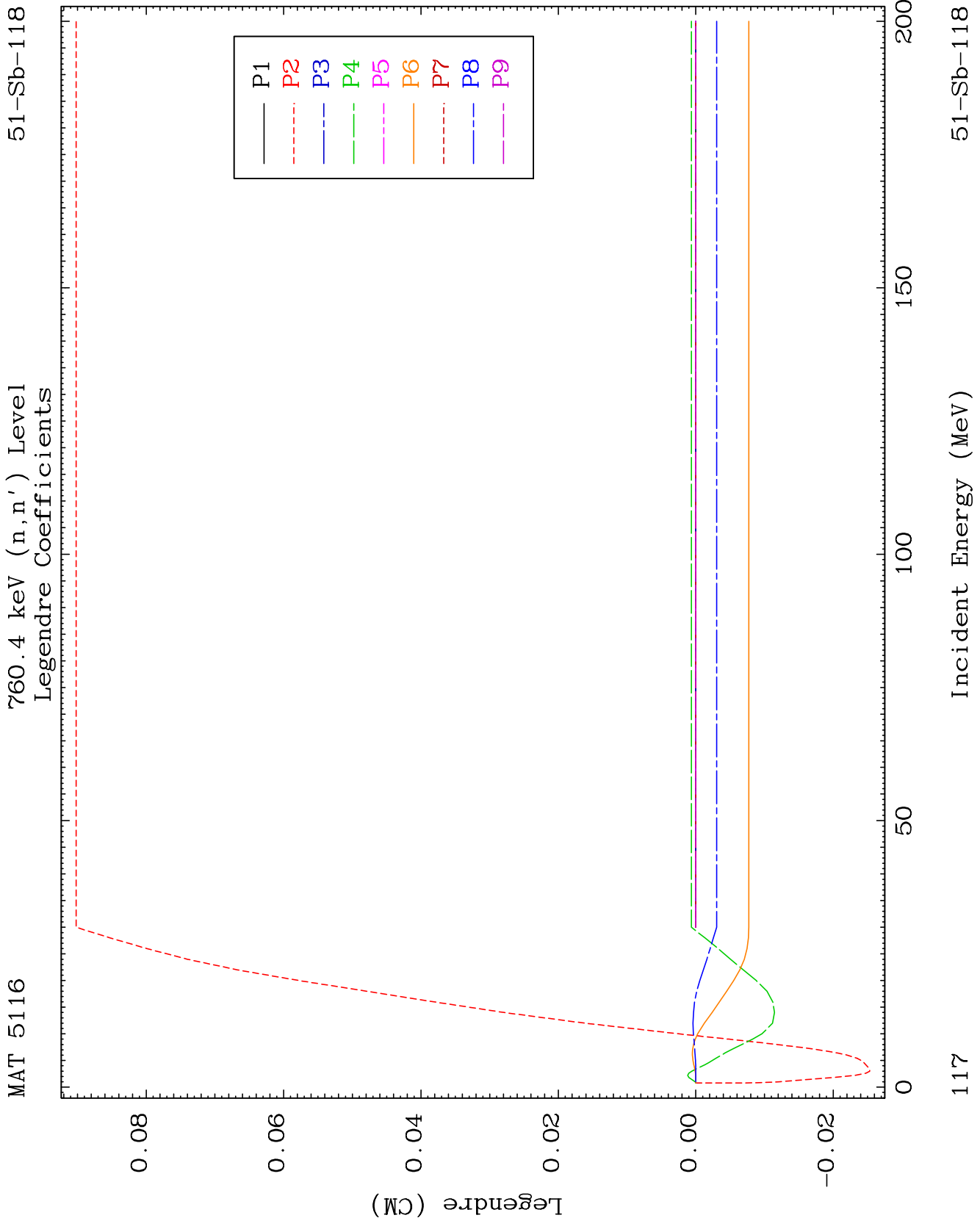








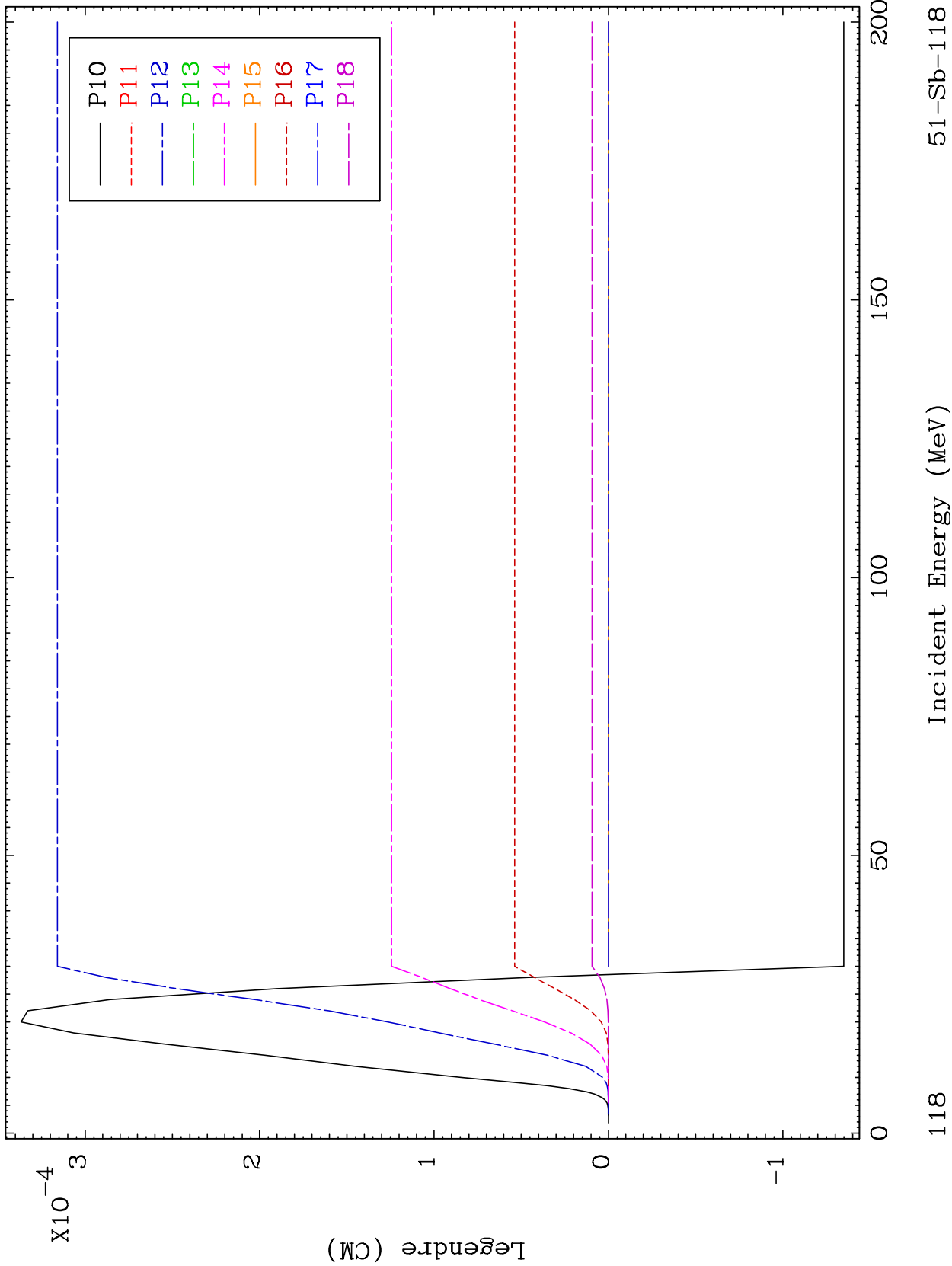




MAT 5116

760.4 keV (n,n') Level
Legendre Coefficients

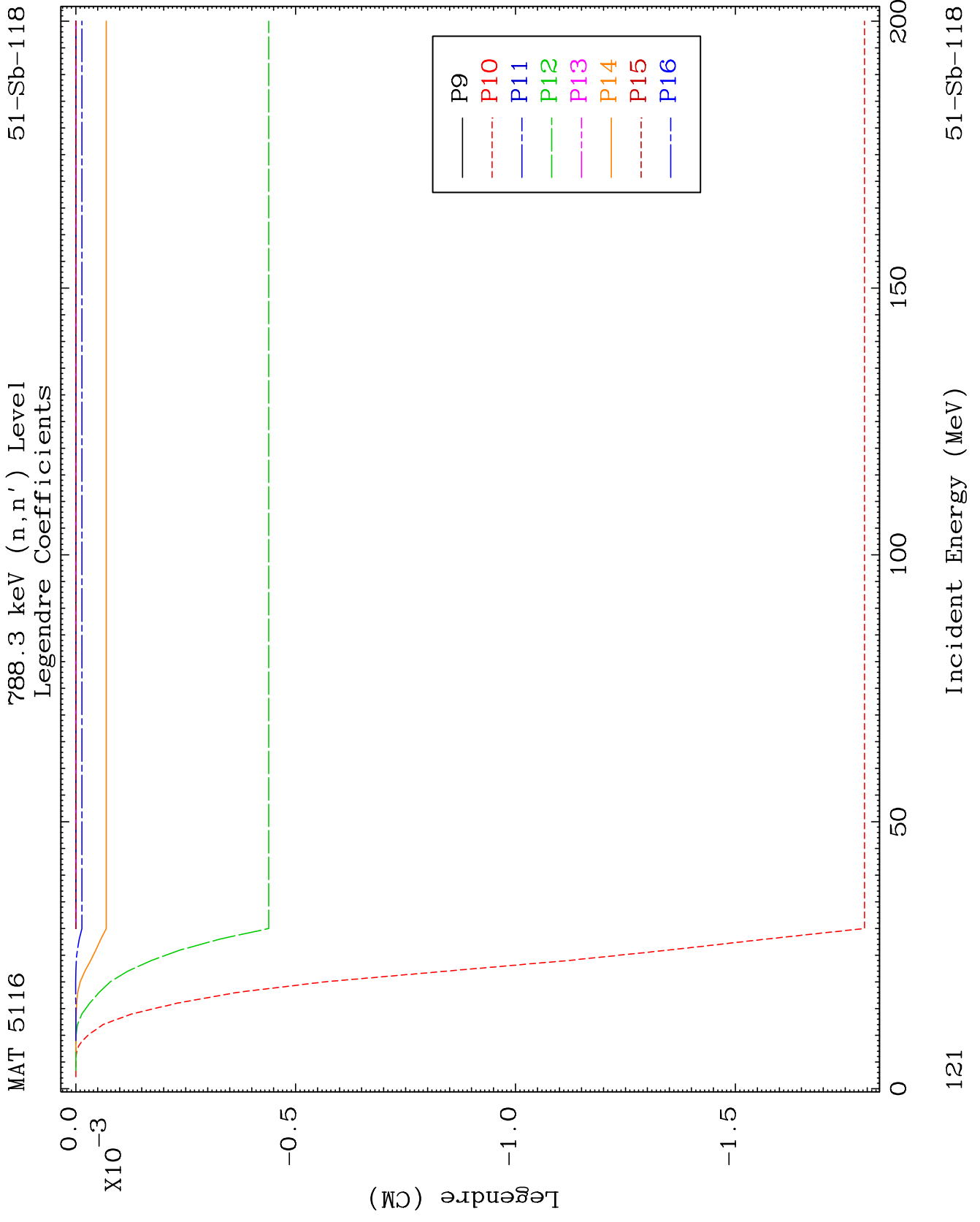
51-Sb-118



51-Sb-118

Incident Energy (MeV)

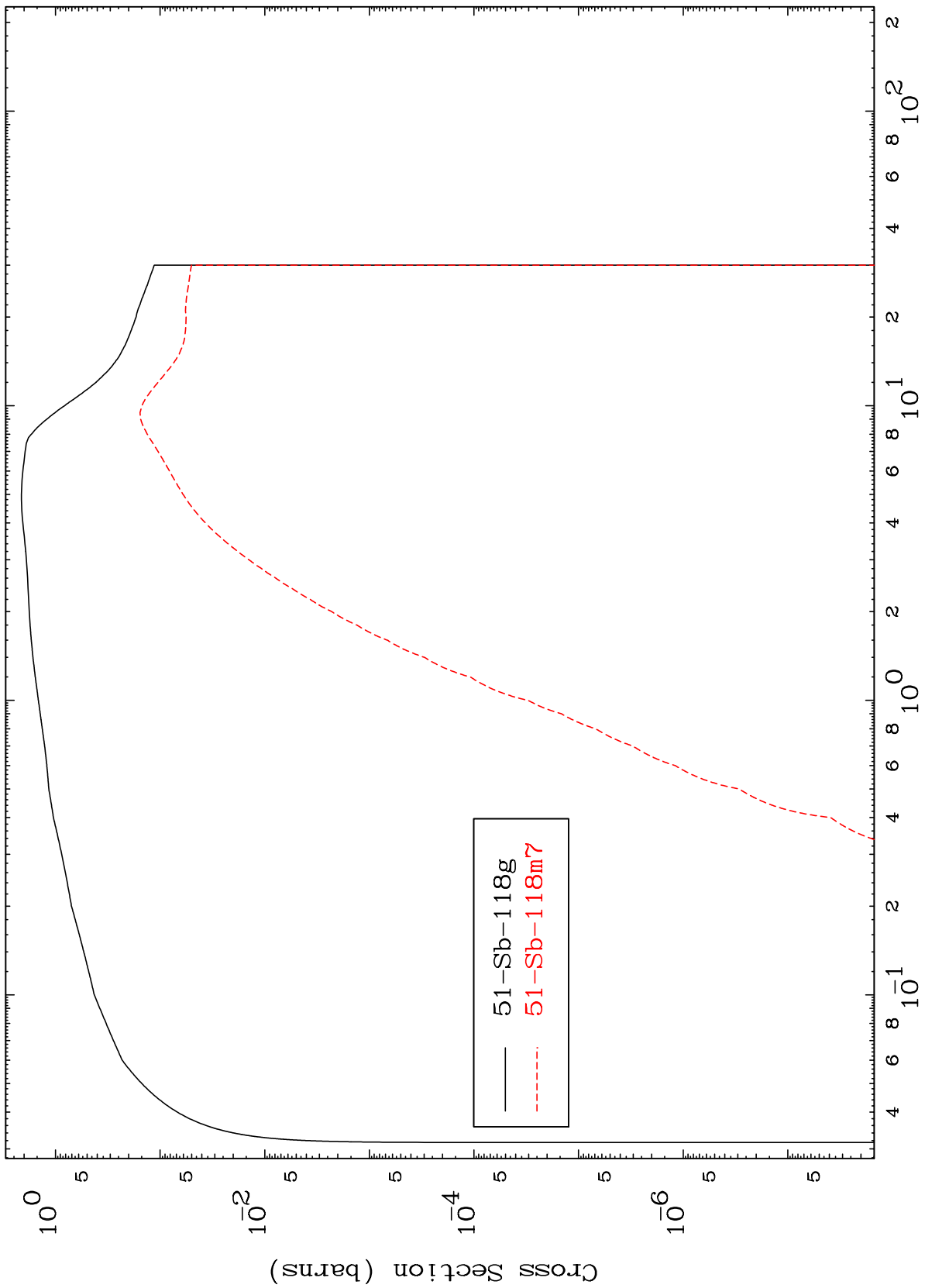
118



MAT 5116

51-Sb-118

Inelastic
Radionuclide Production Cross Section

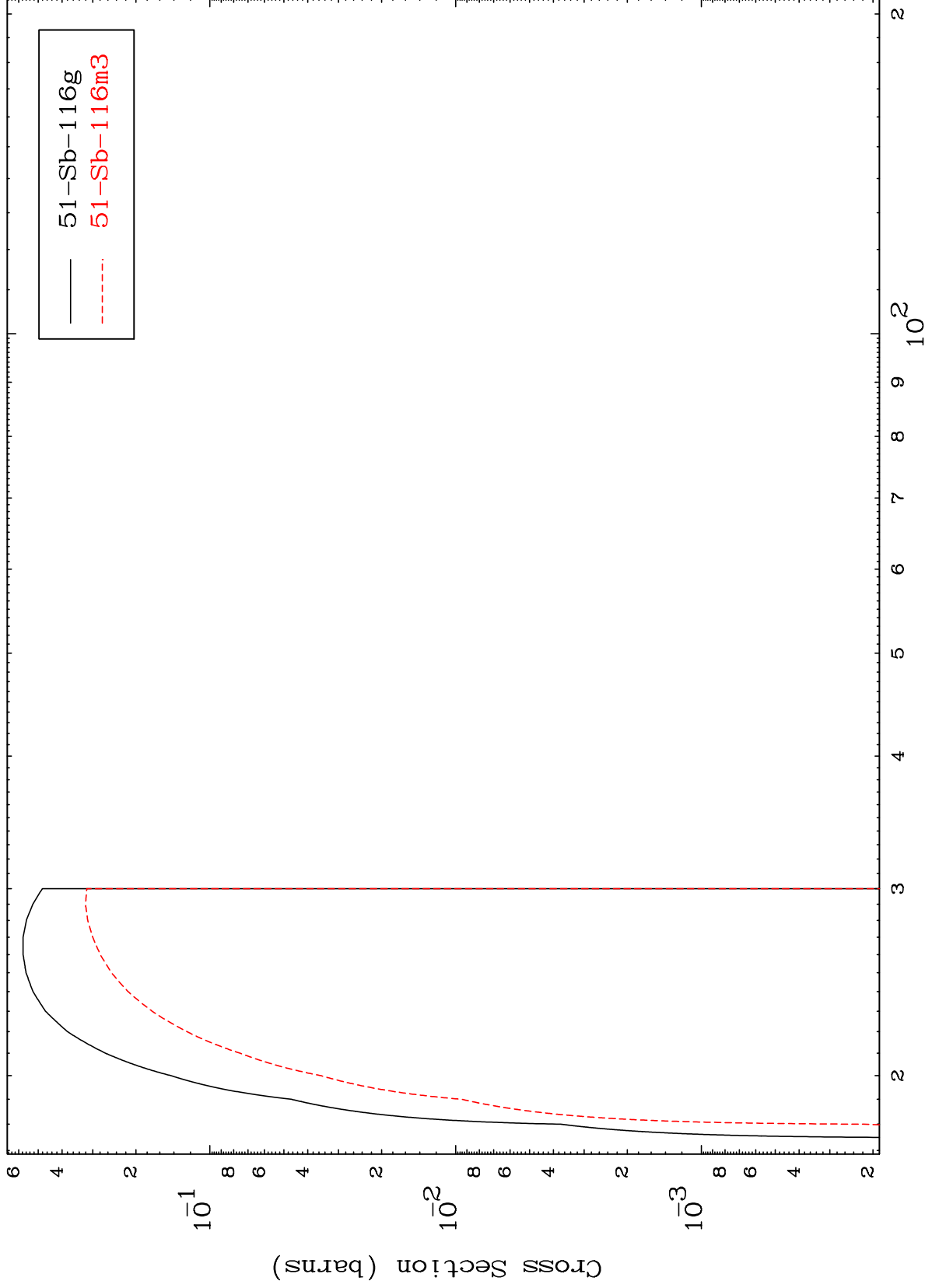


MAT 5116

(n,3n)

51-Sb-118

Radionuclide Production Cross Section



124

Incident Energy (MeV)

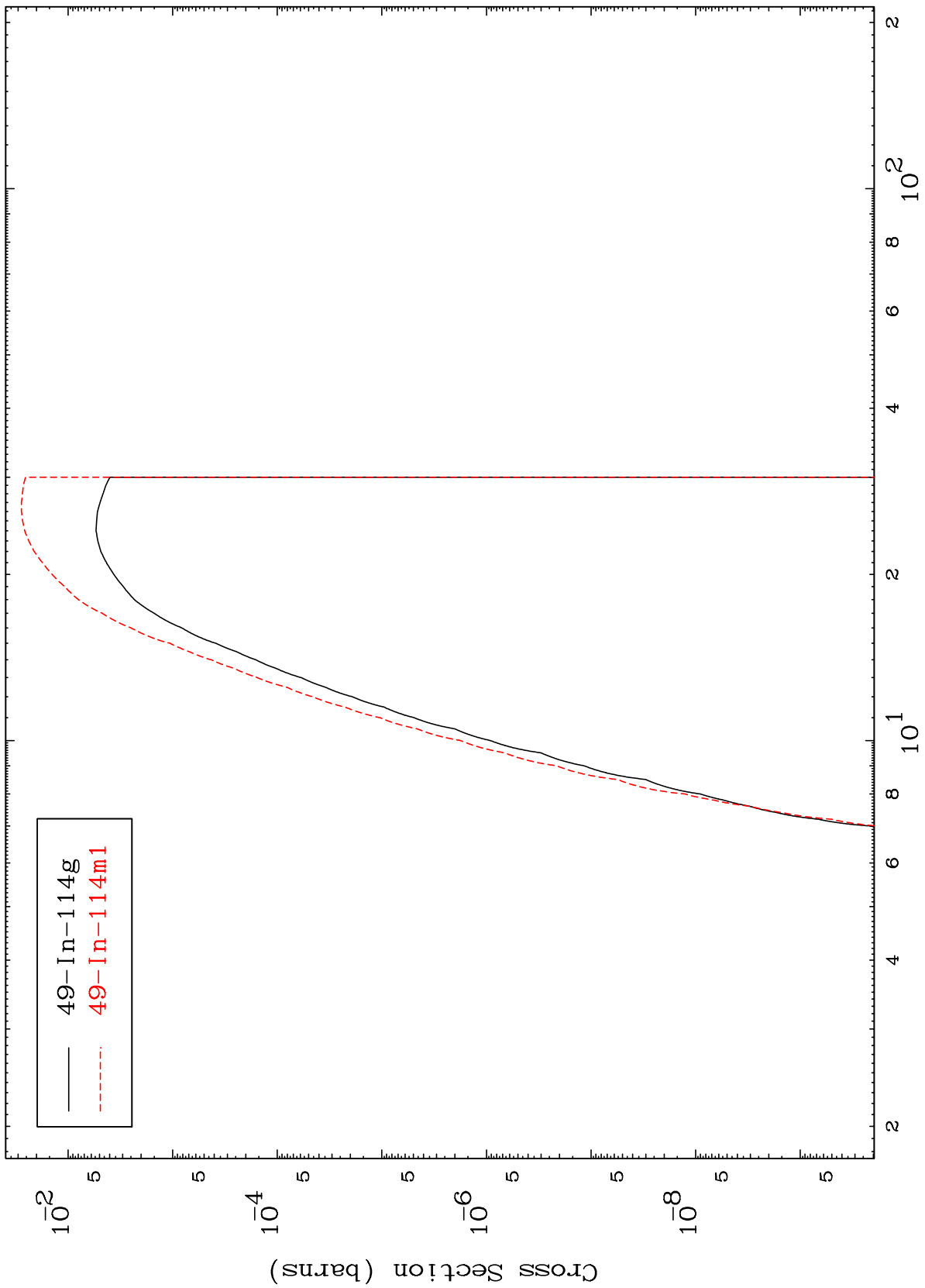
51-Sb-118

MAT 5116

51-Sb-118

(n,n') α

Radionuclide Production Cross Section



125

51-Sb-118

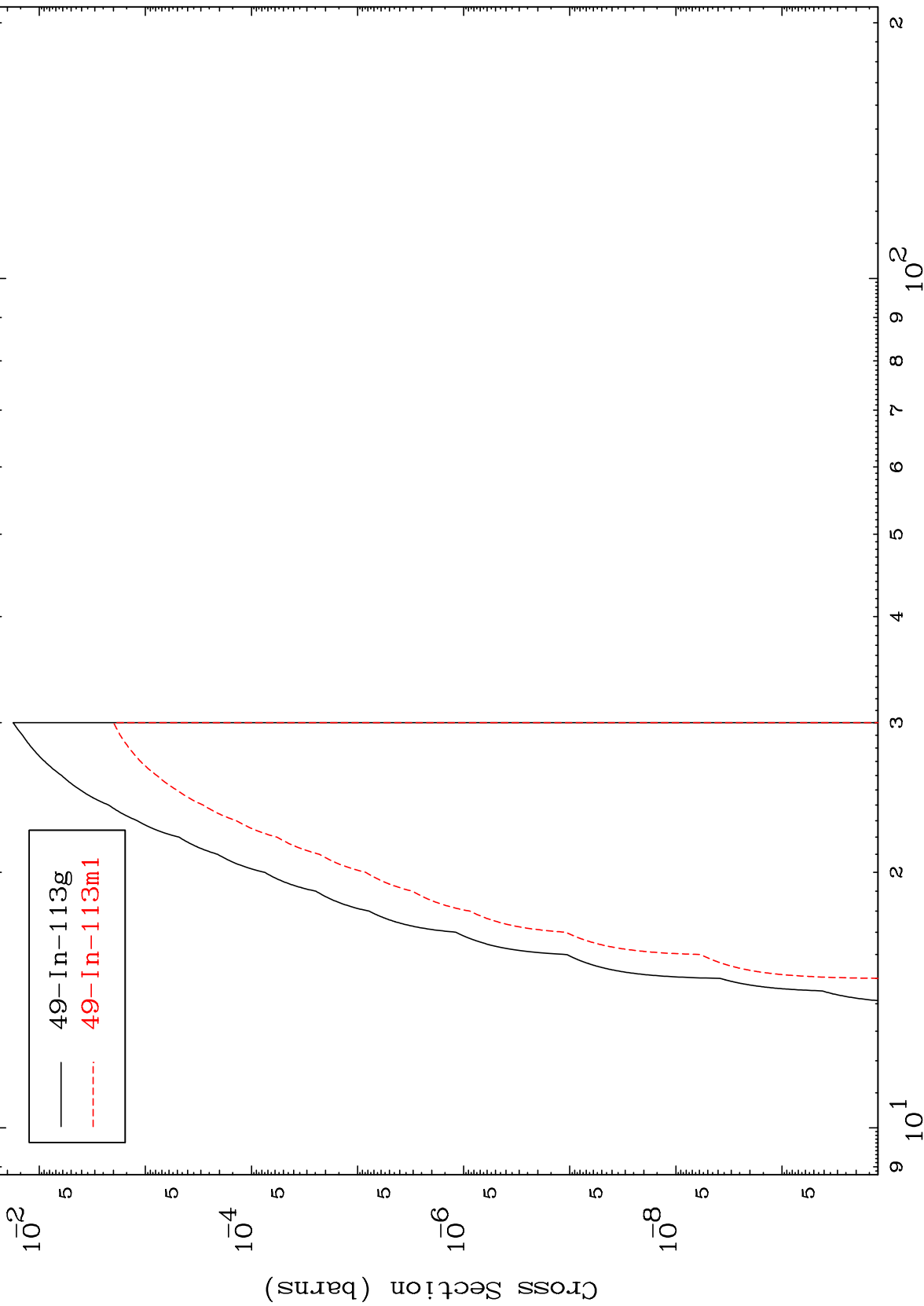
Incident Energy (MeV)

MAT 5116

(n,2n) α

51-Sb-118

Radionuclide Production Cross Section



Legend:
— 49-In-113g
- - - 49-In-113m1

126

Incident Energy (MeV)

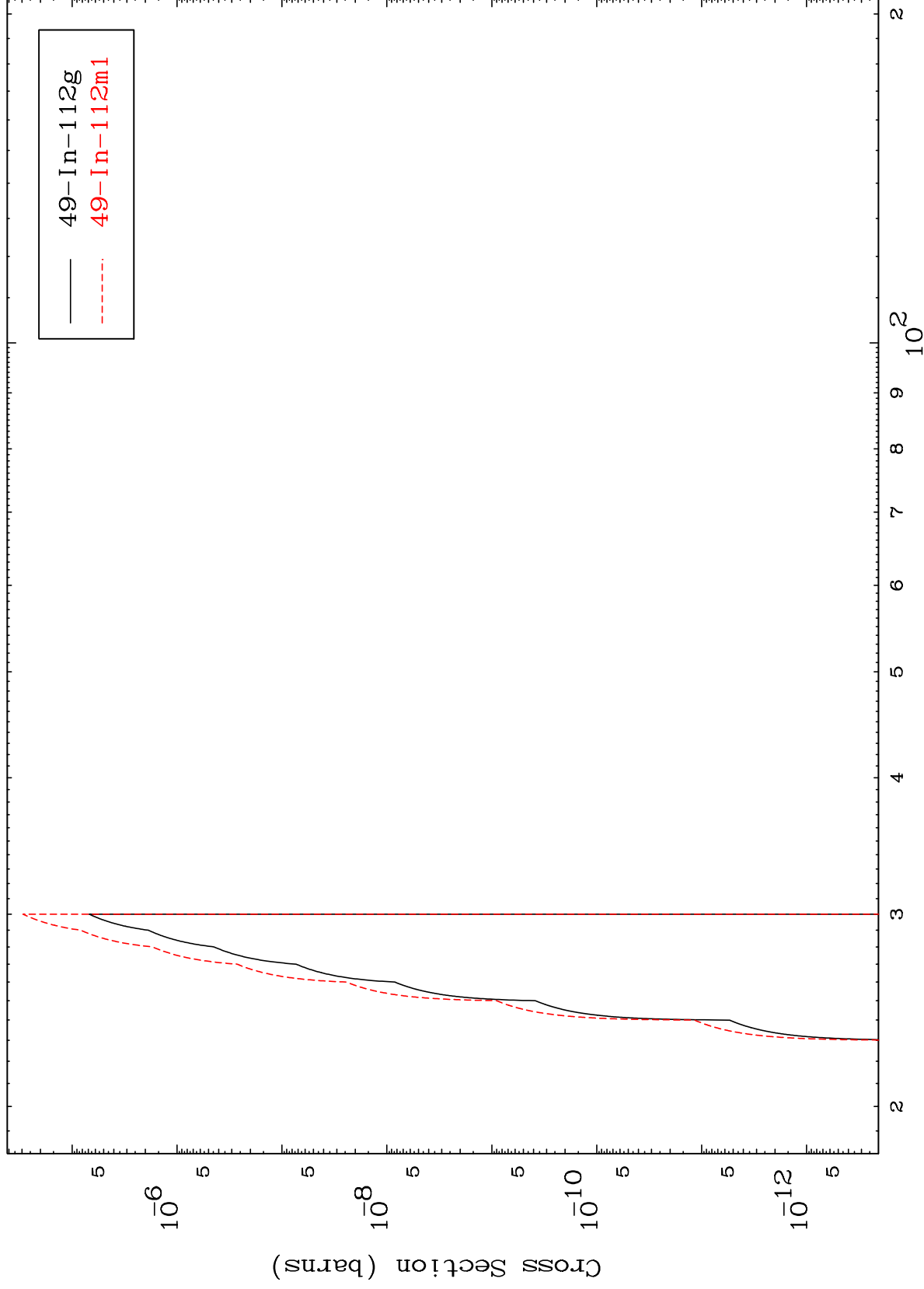
51-Sb-118

MAT 5116

(n,3n) α

51-Sb-118

Radionuclide Production Cross Section



127

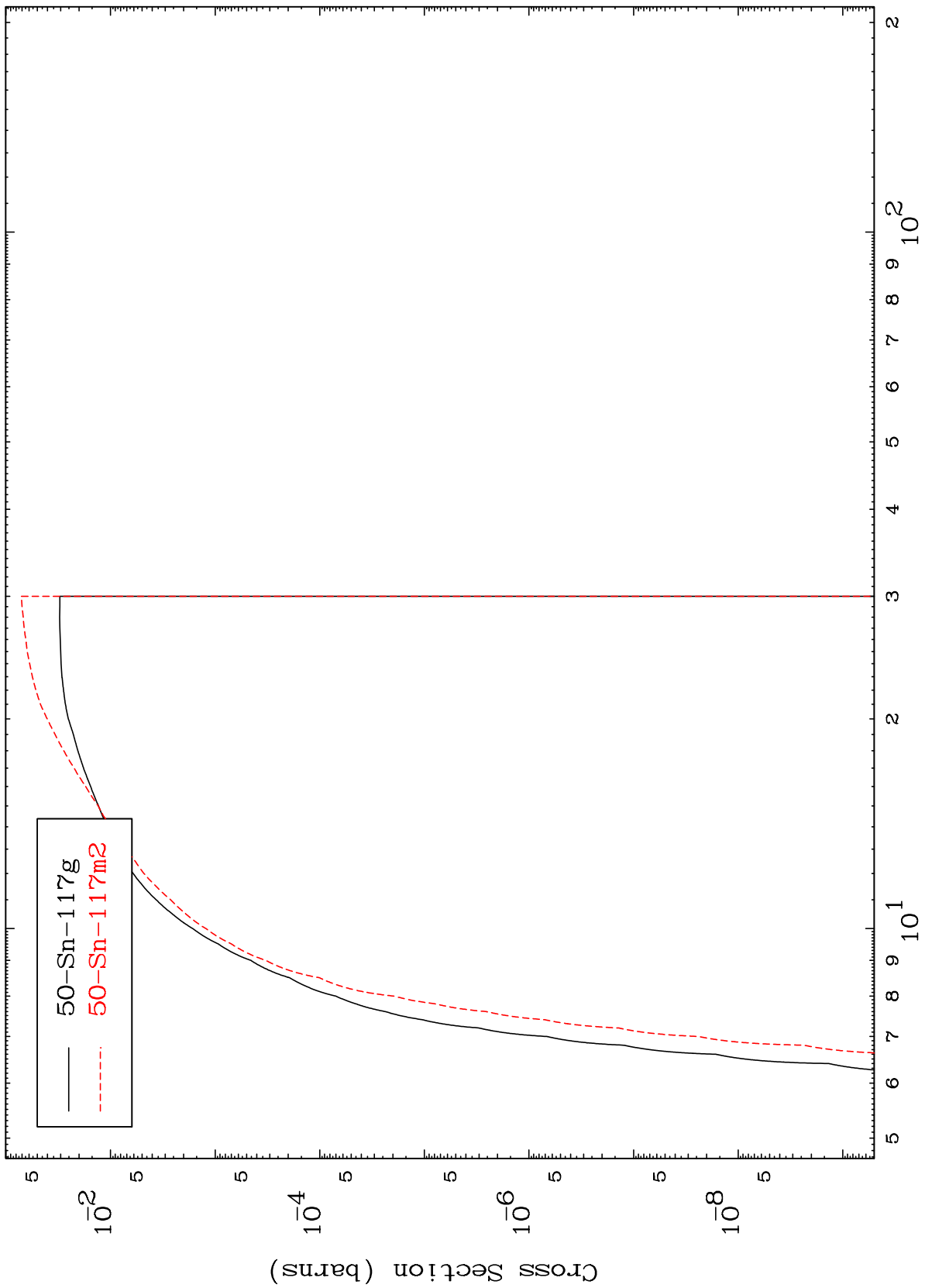
Incident Energy (MeV)

51-Sb-118

MAT 5116

51-Sb-118

(n,n') p
Radionuclide Production Cross Section



128

Incident Energy (MeV)

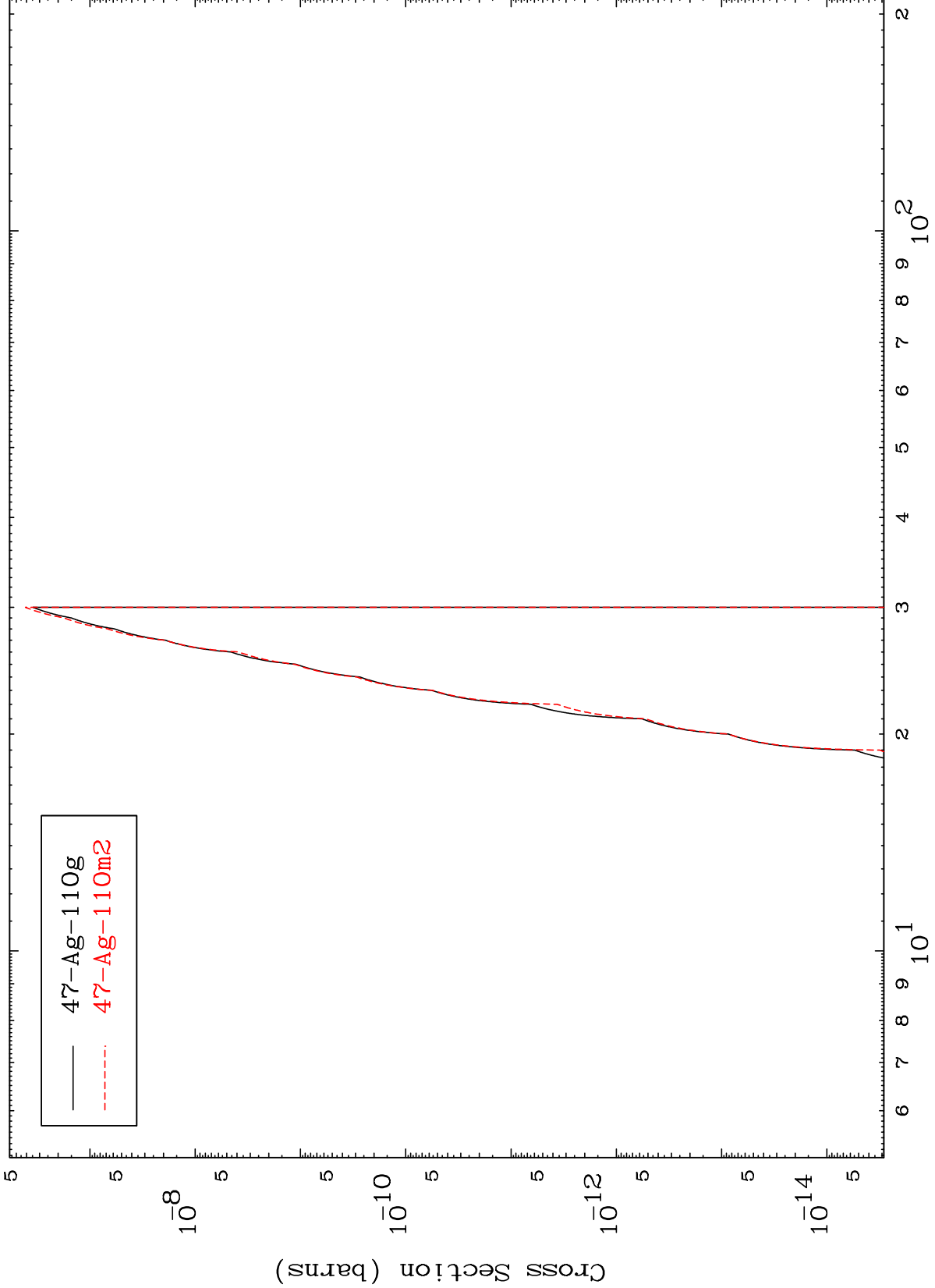
51-Sb-118

MAT 5116

(n,n') 2α

51-Sb-118

Radionuclide Production Cross Section



47-Ag-110g
47-Ag-110m2

129

Incident Energy (MeV)

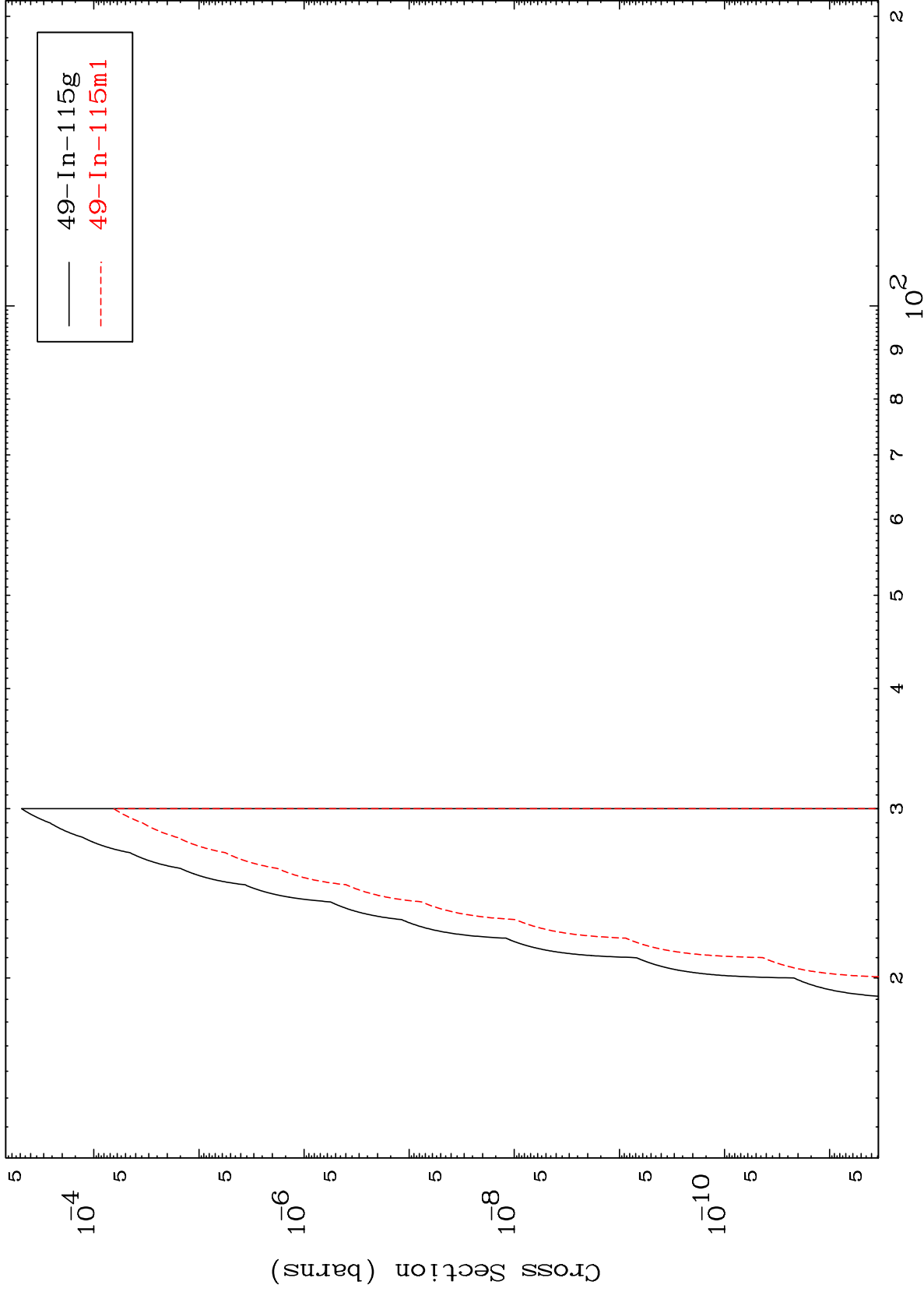
51-Sb-118

MAT 5116

(n,n') He-3

51-Sb-118

Radionuclide Production Cross Section



130

Incident Energy (MeV)

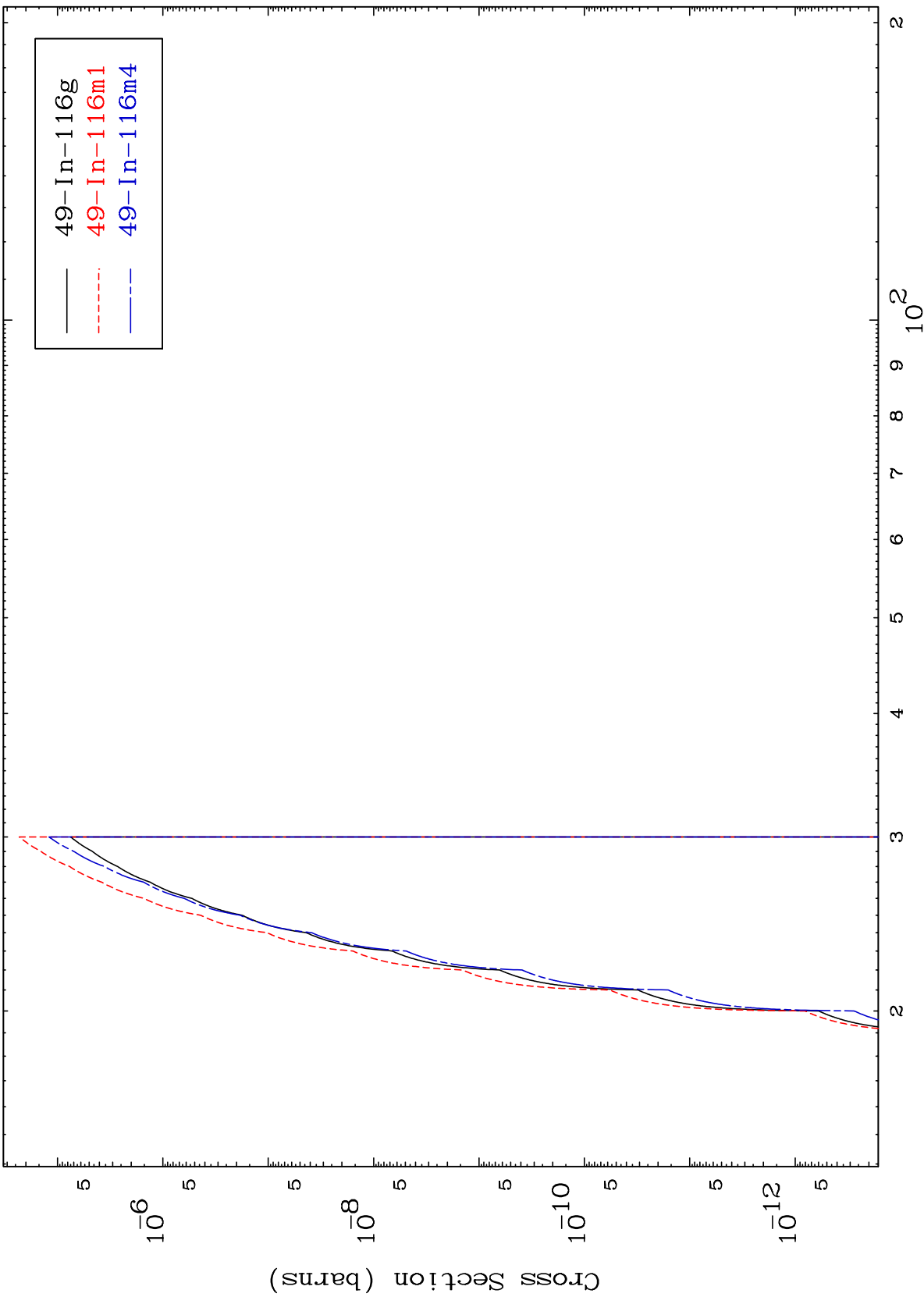
51-Sb-118

MAT 51116

(n,2n) p

51-Sb-118

Radionuclide Production Cross Section



131

Incident Energy (MeV)

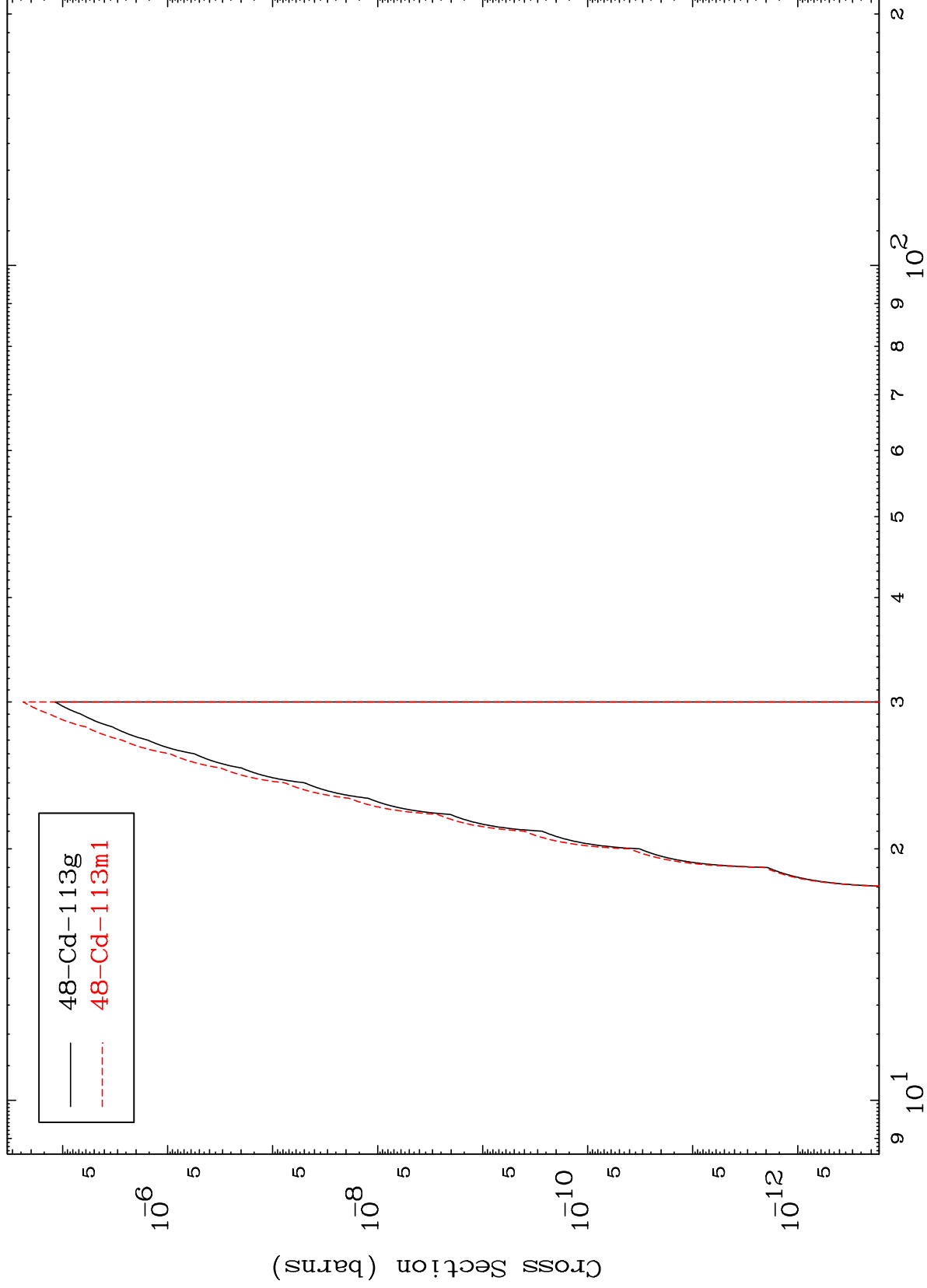
51-Sb-118

MAT 5116

(n,n') p α

51-Sb-118

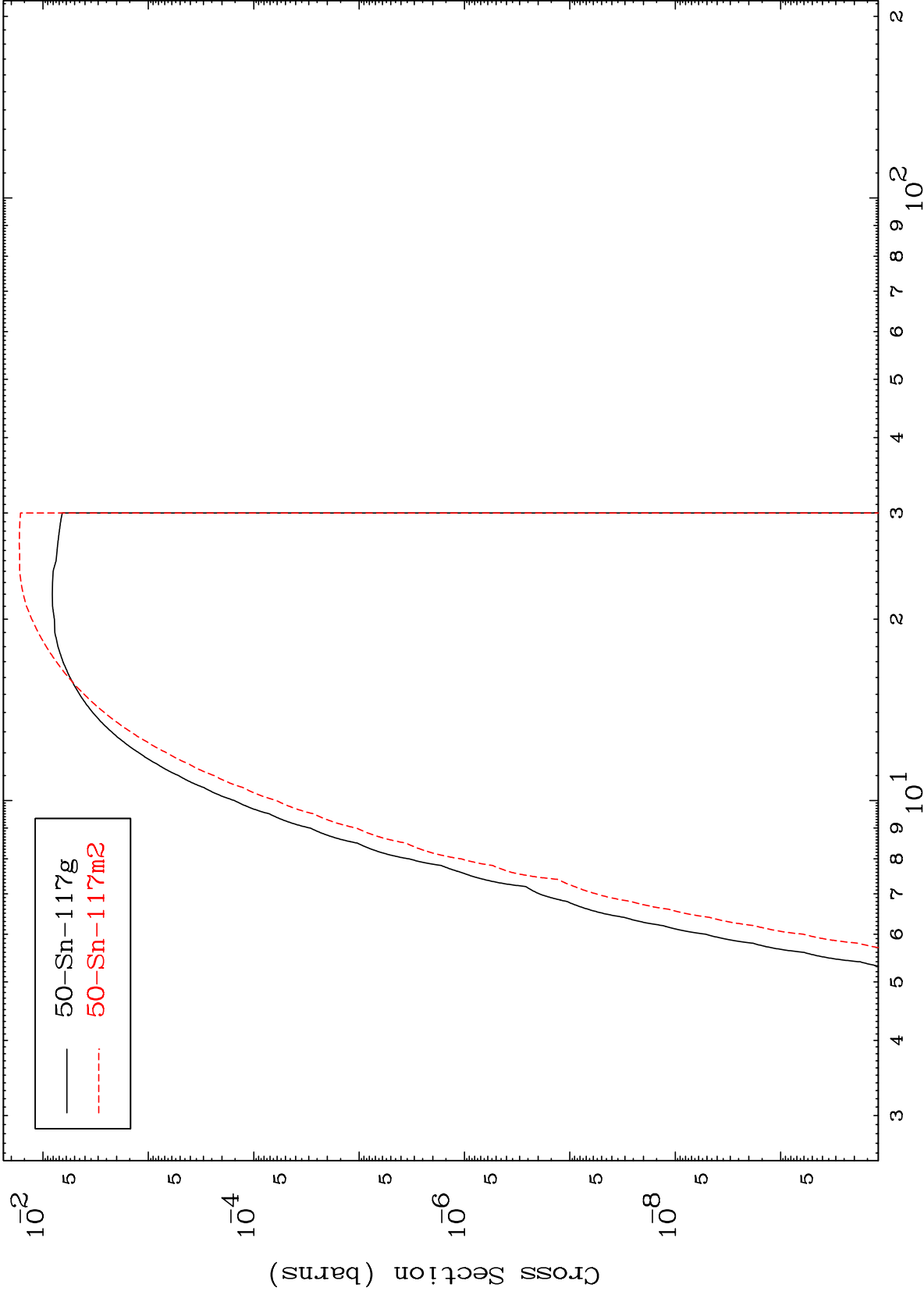
Radionuclide Production Cross Section



MAT 5116

51-Sb-118

(n,d)
Radionuclide Production Cross Section



51-Sb-118

Incident Energy (MeV)

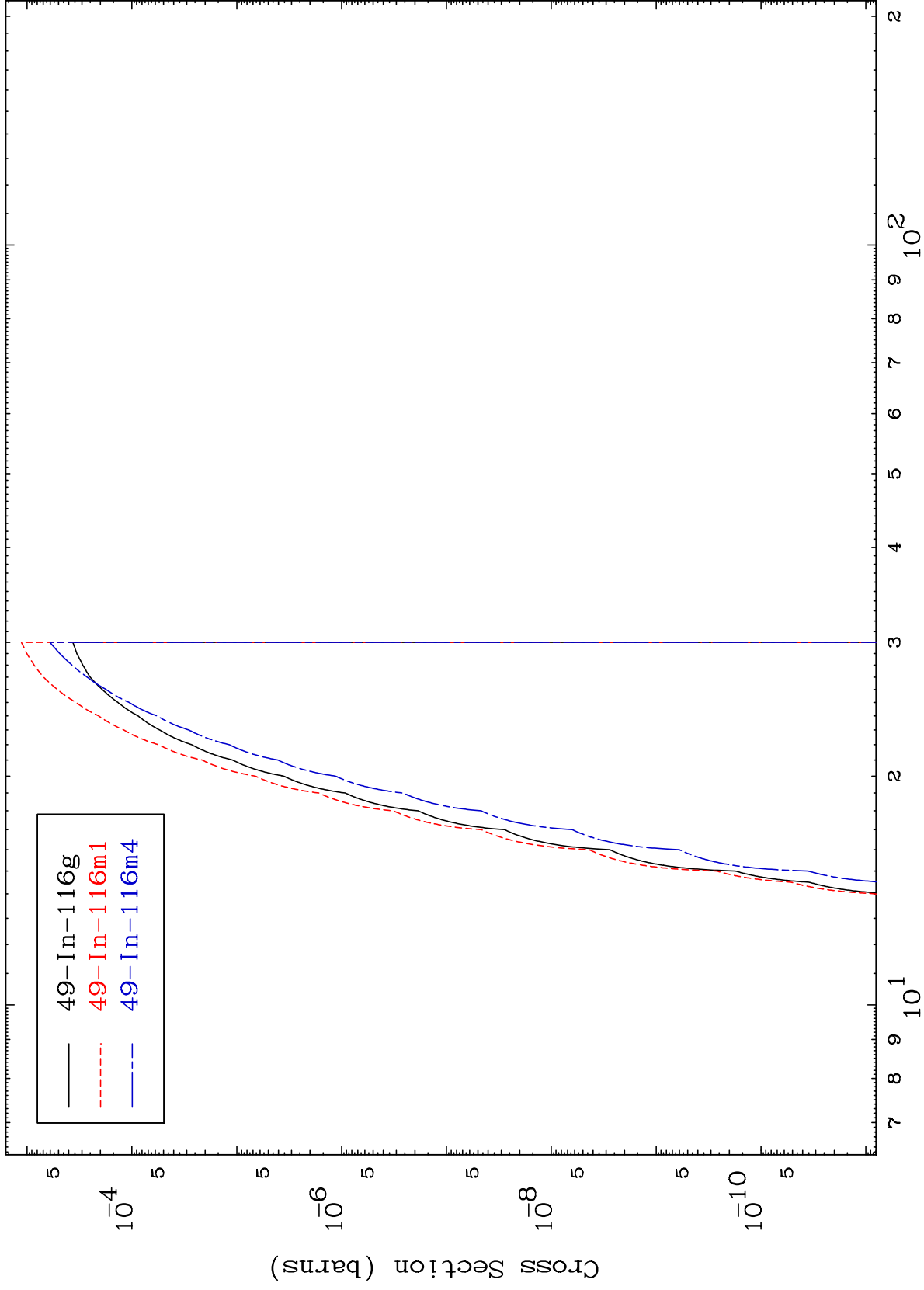
133

MAT 5116

(n,He-3)

51-Sb-118

Radionuclide Production Cross Section



134

Incident Energy (MeV)

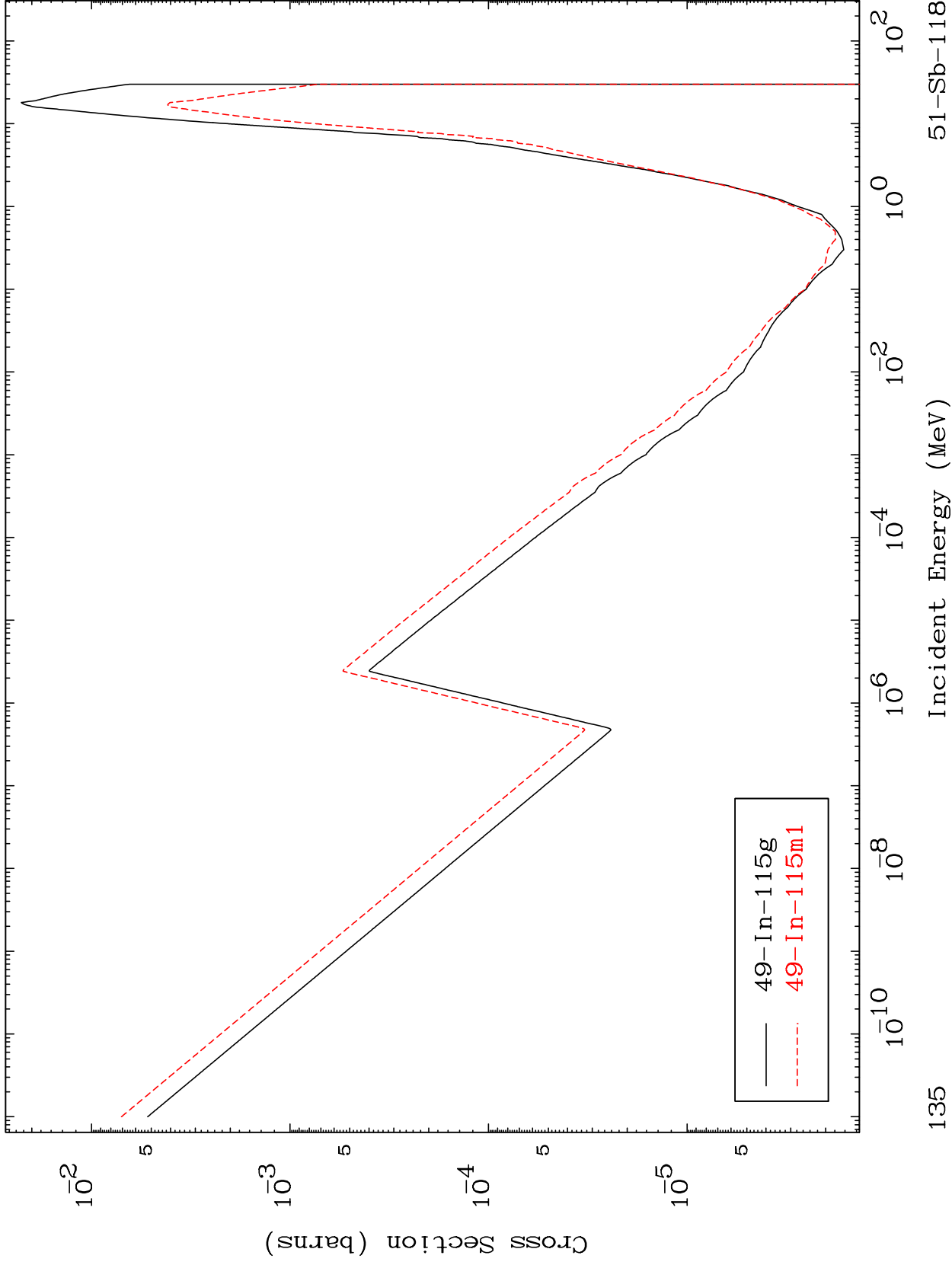
51-Sb-118

MAT 5116

(n, α)

51-Sb-118

Radionuclide Production Cross Section



— 49-In-115g
- - - 49-In-115m1

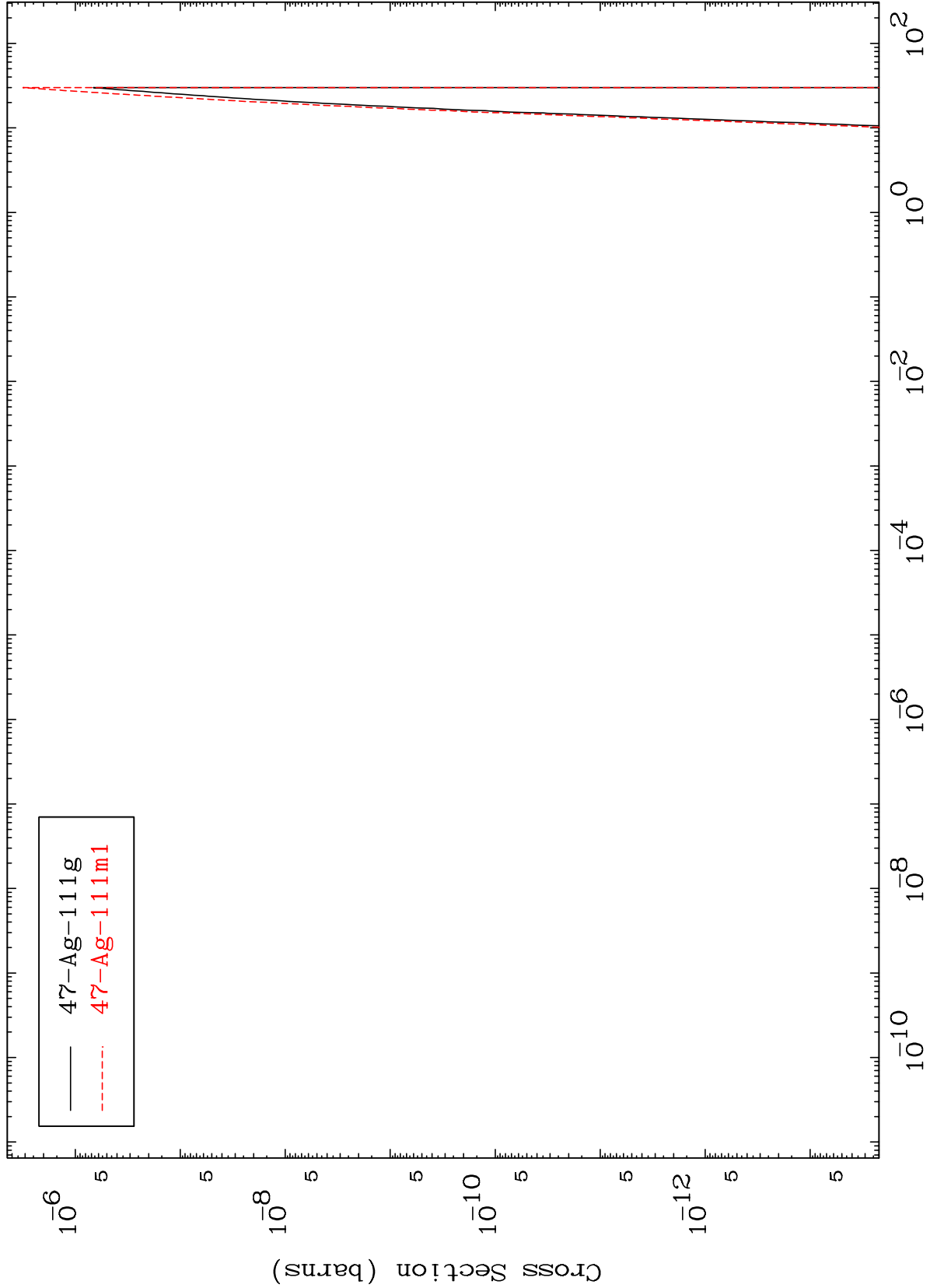
135

MAT 5116

(n,2α)

51-Sb-118

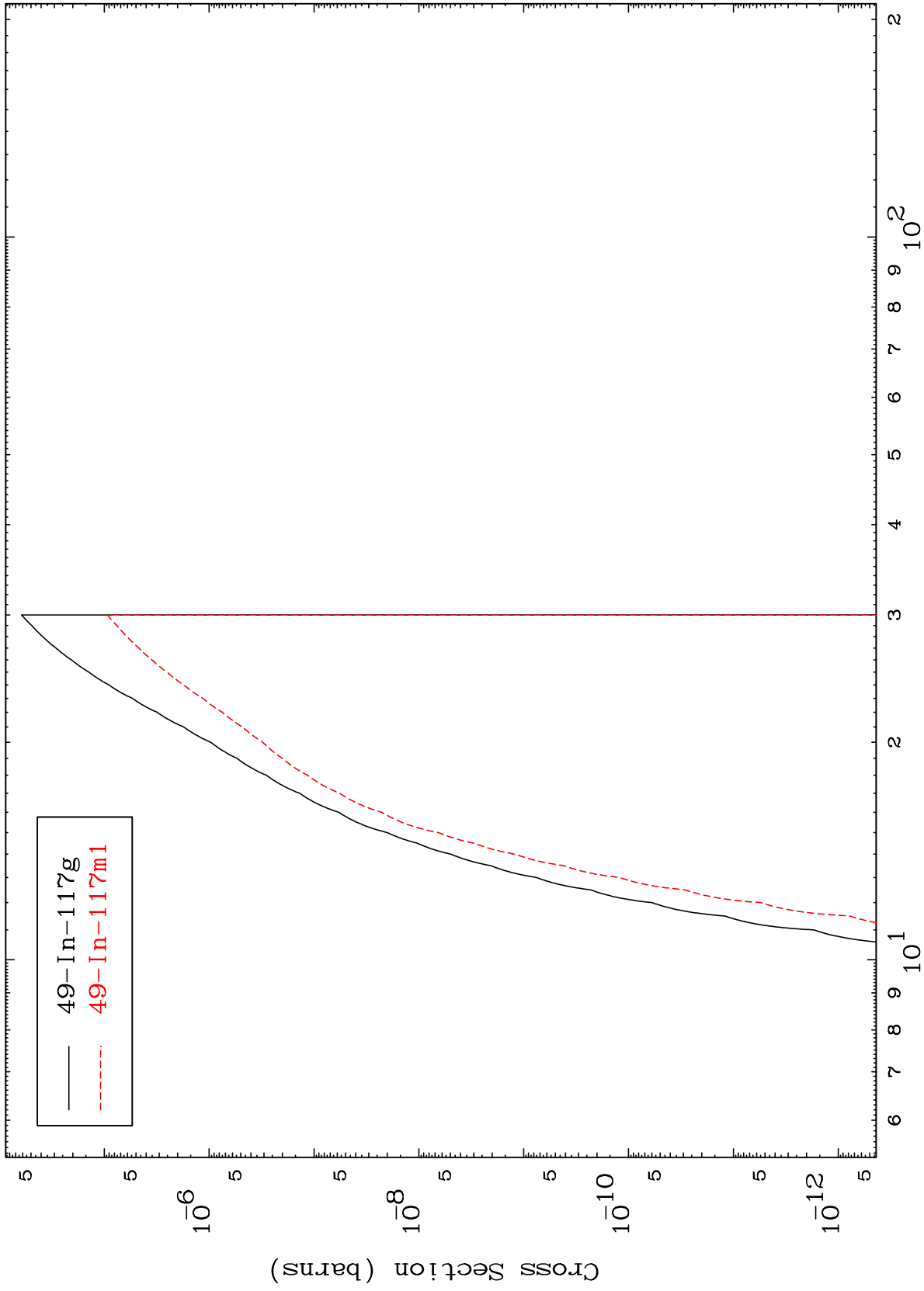
Radionuclide Production Cross Section



MAT 5116

51-Sb-118

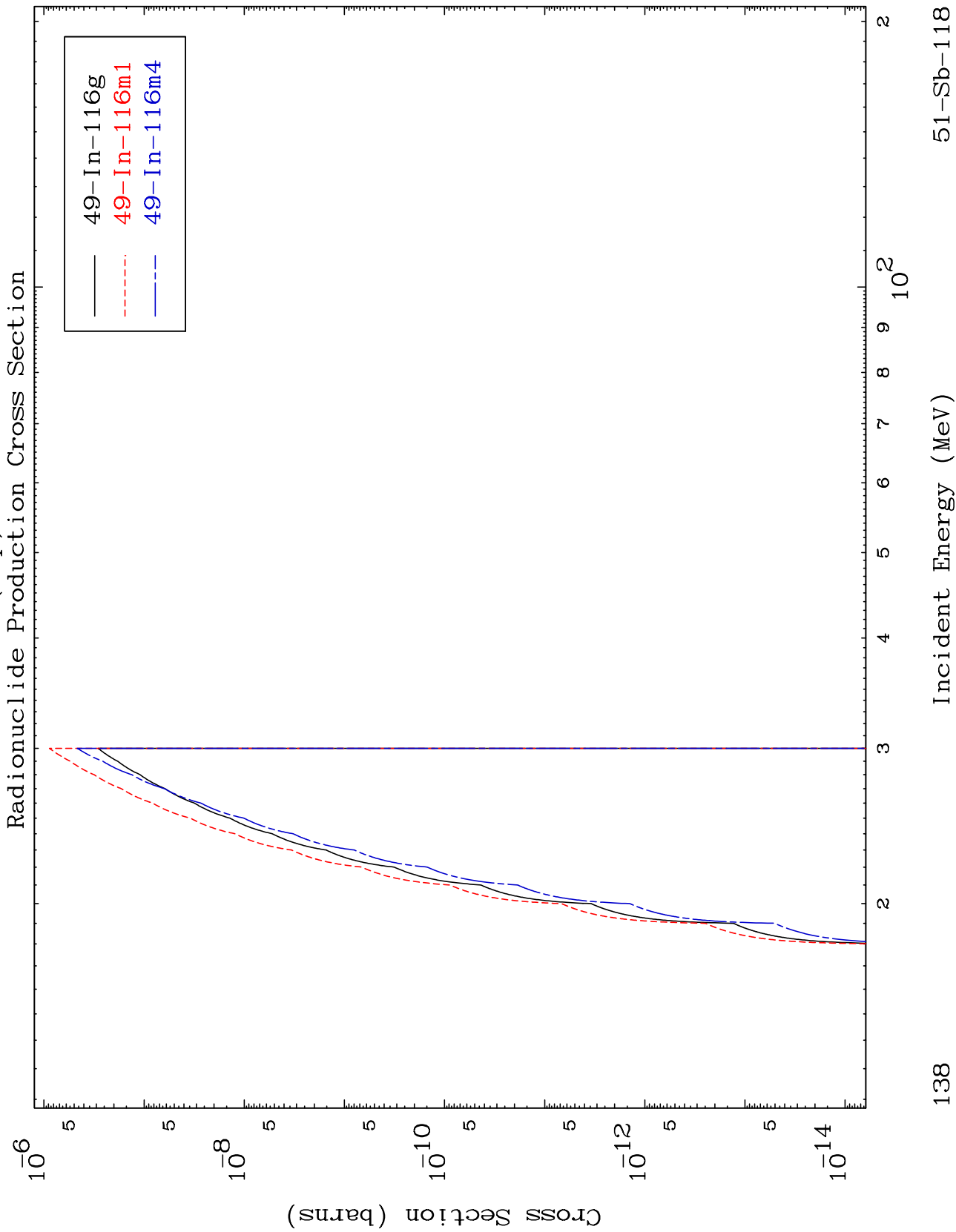
(n,2p)
Radionuclide Production Cross Section



137

Incident Energy (MeV)

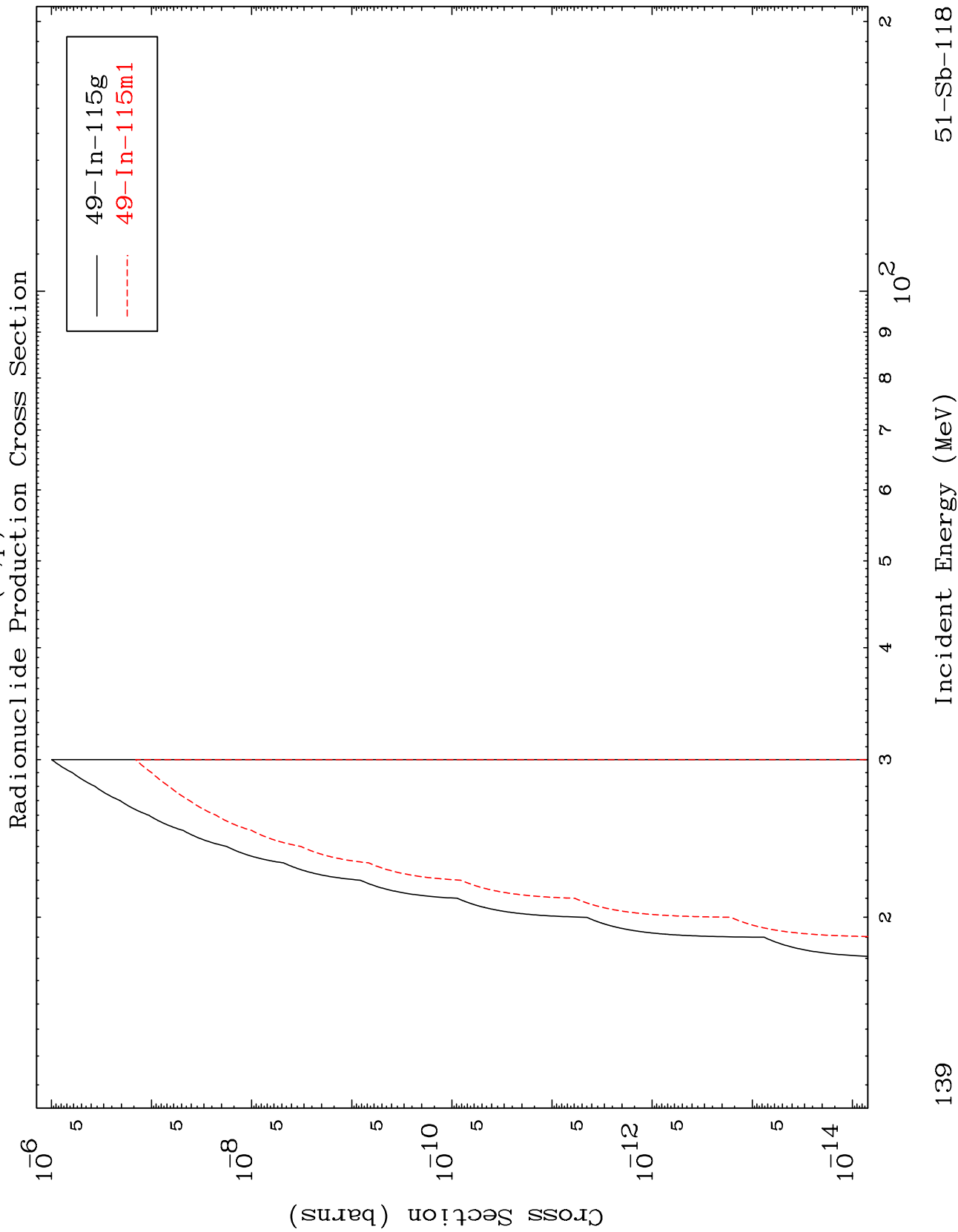
51-Sb-118



MAT 5116

(n,p) t

51-Sb-118



139

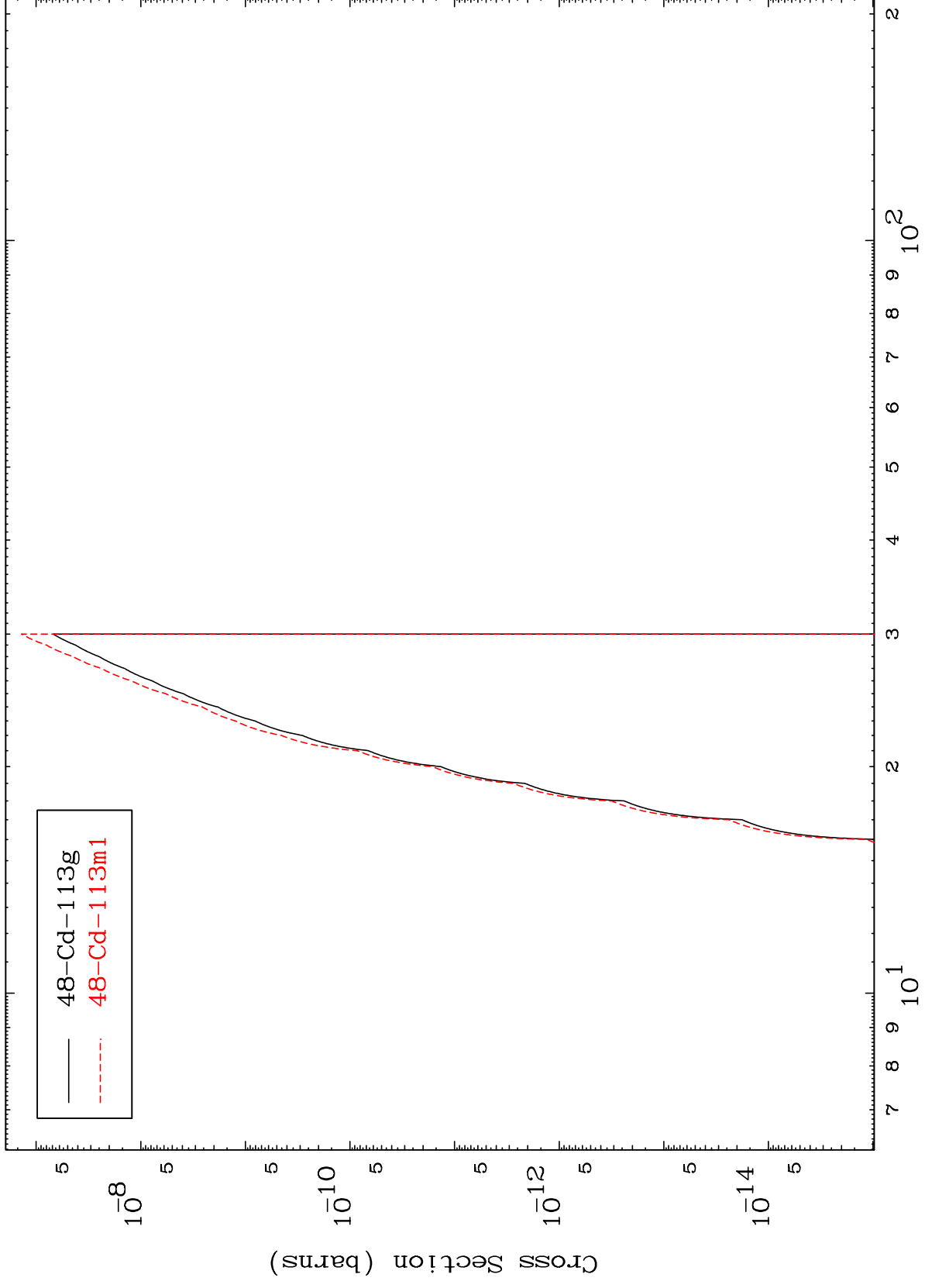
51-Sb-118

MAT 5116

(n,d) α

51-Sb-118

Radionuclide Production Cross Section



140

Incident Energy (MeV)

51-Sb-118