

Program EVALPLOT
(Version 2017-1)

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:redcullen1.net/HOMEPAGE.NEW

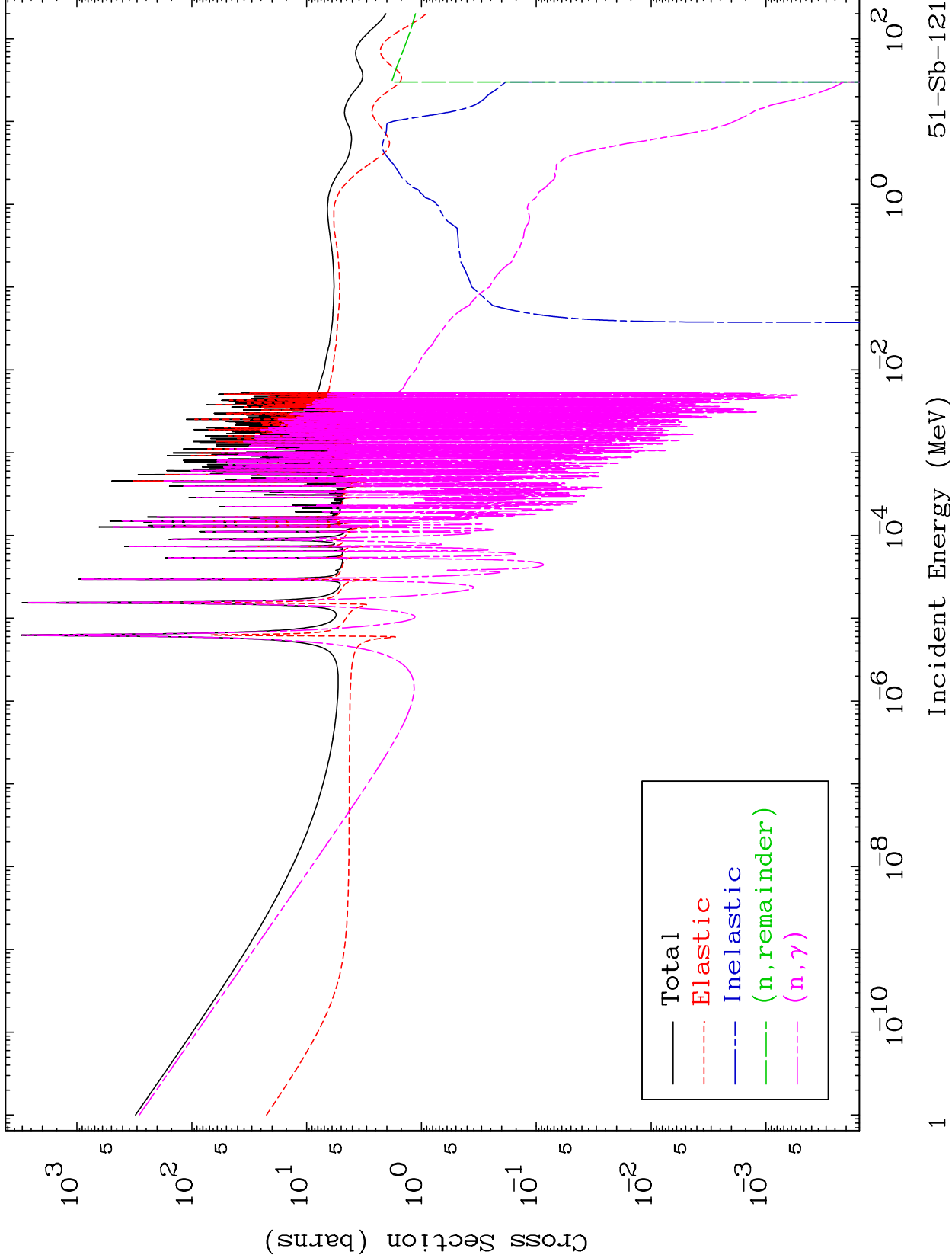
Press Mouse Button to Start

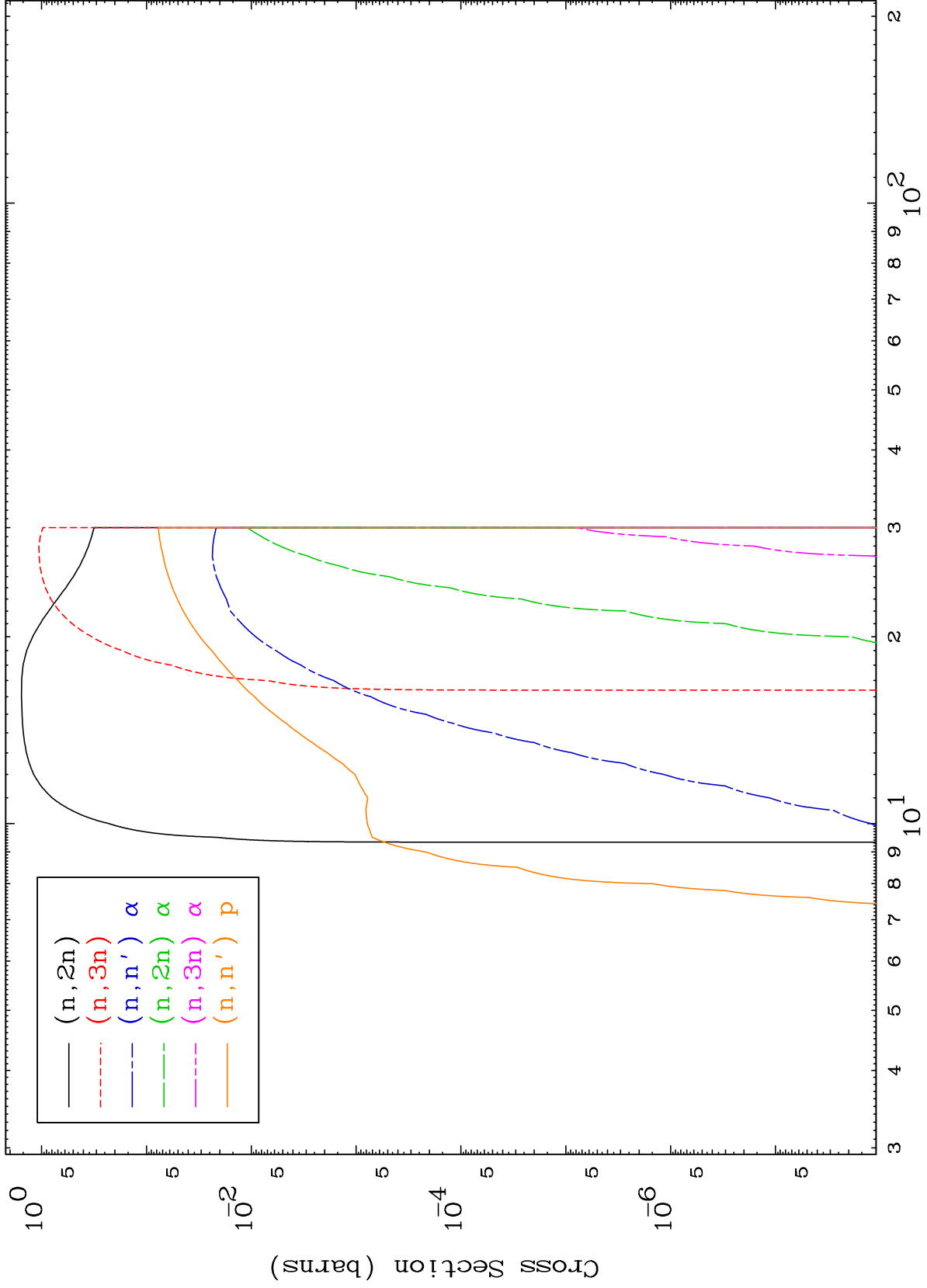
MAT 5125

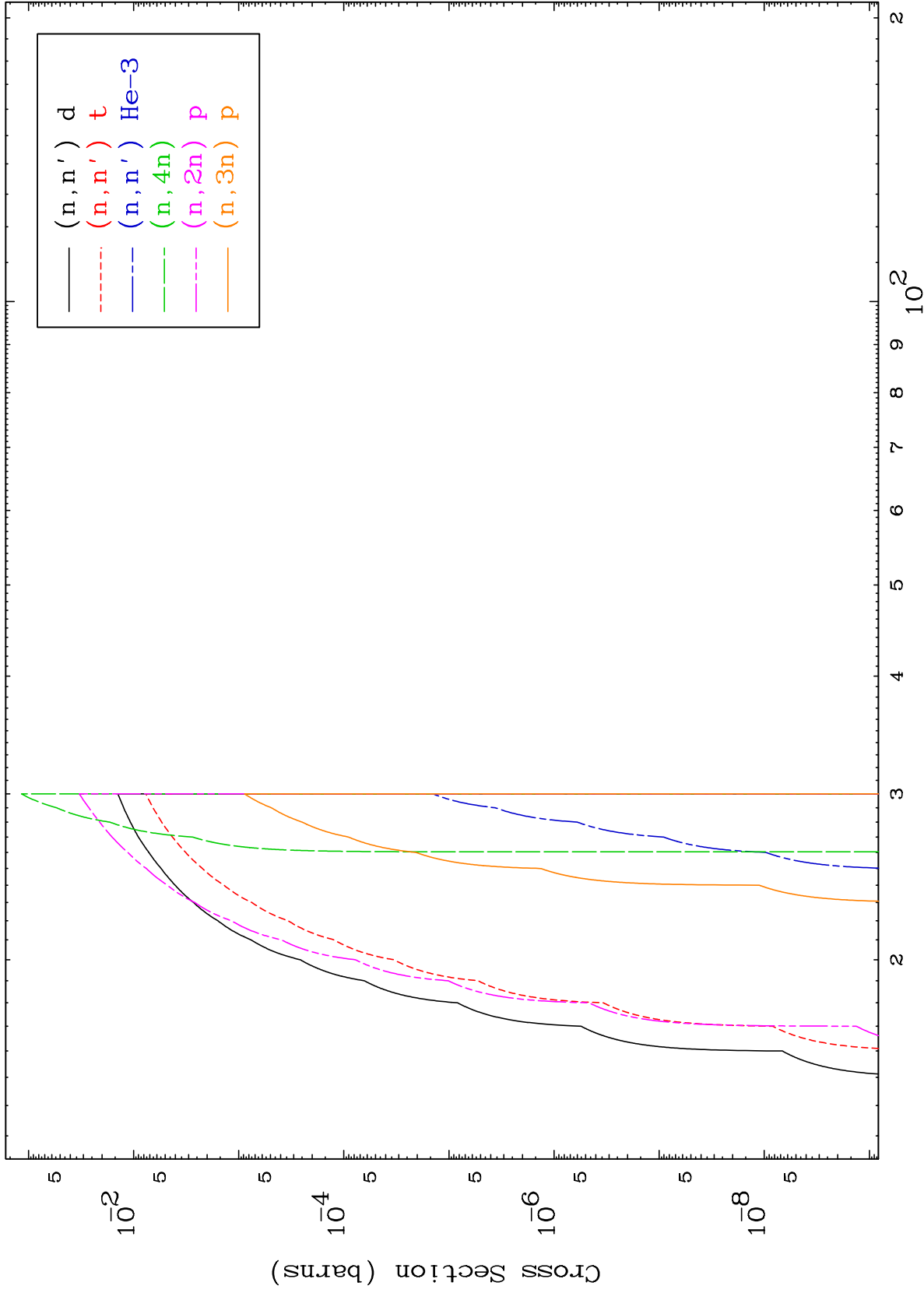
Major

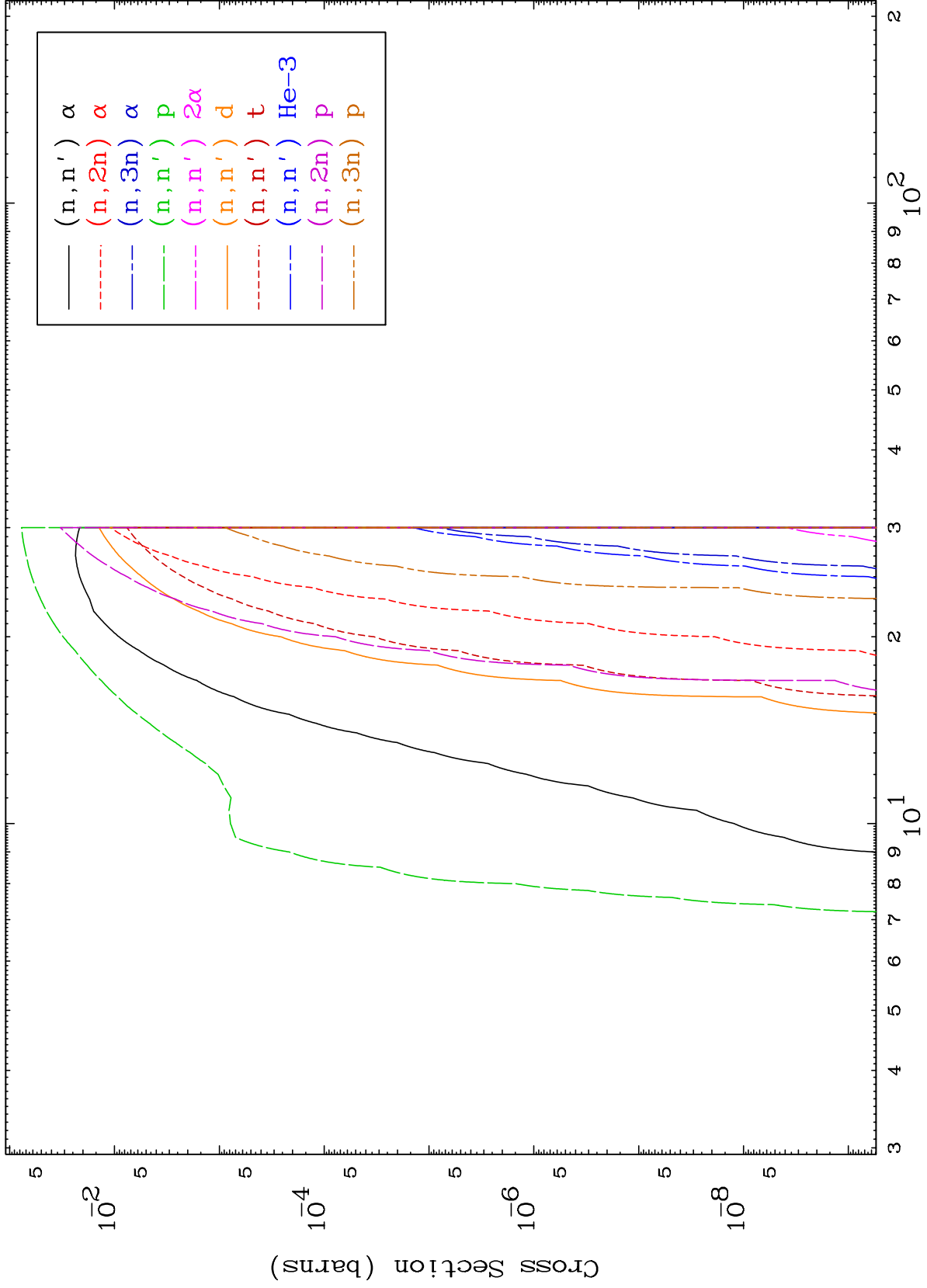
293 Kelvin Cross Sections

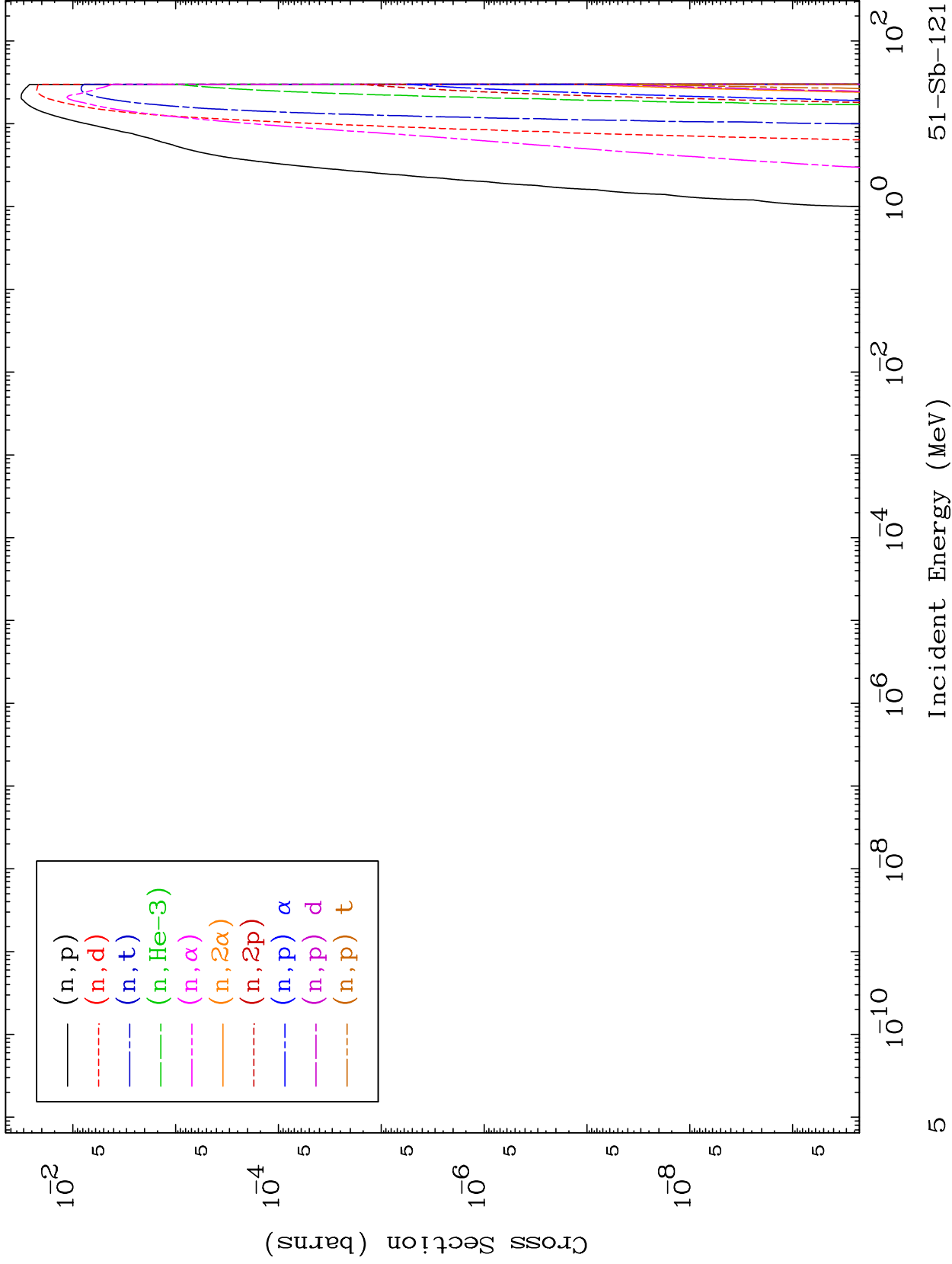
51-Sb-121







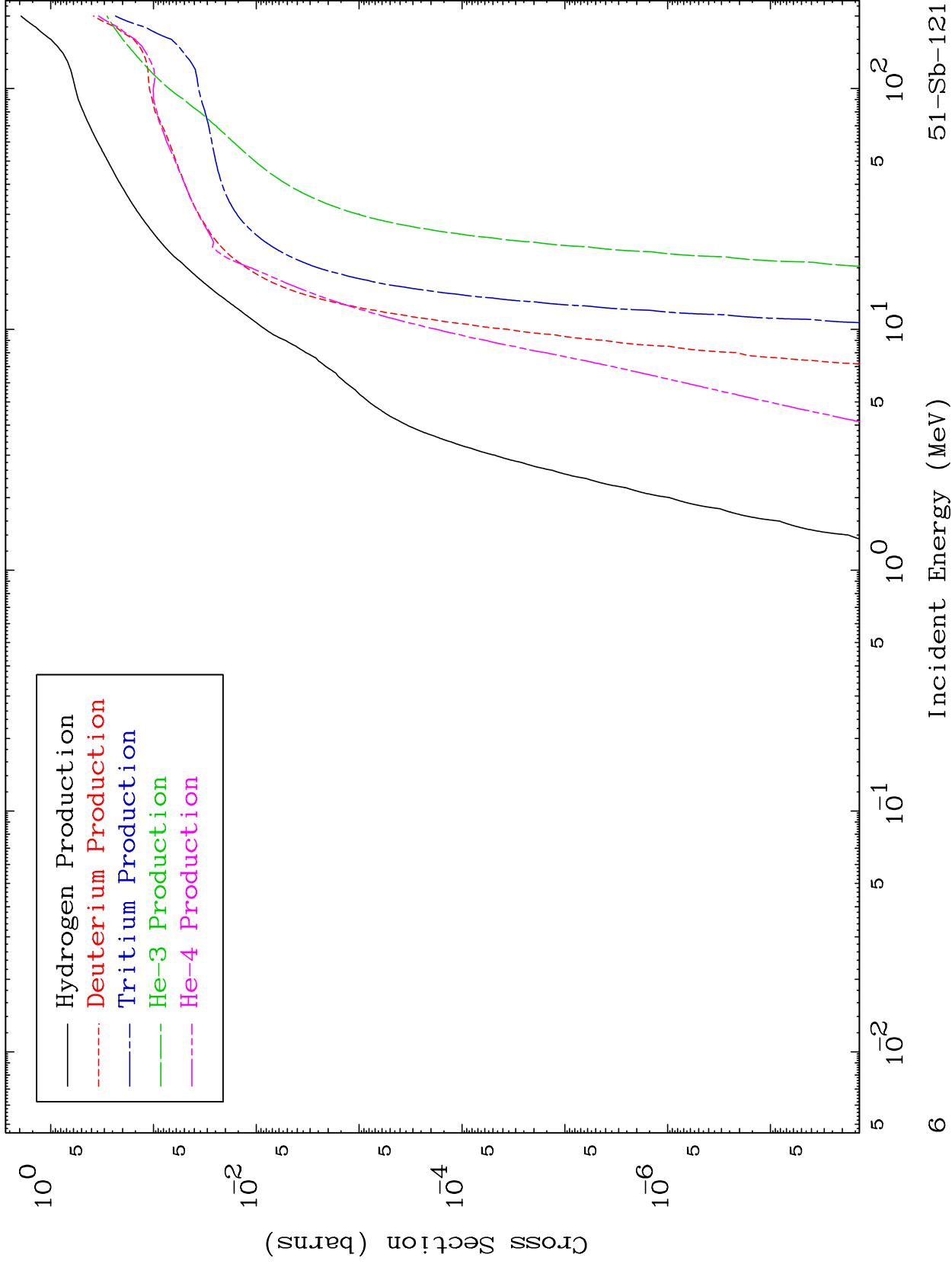




MAT 5125

Particle Production
293 Kelvin Cross Sections

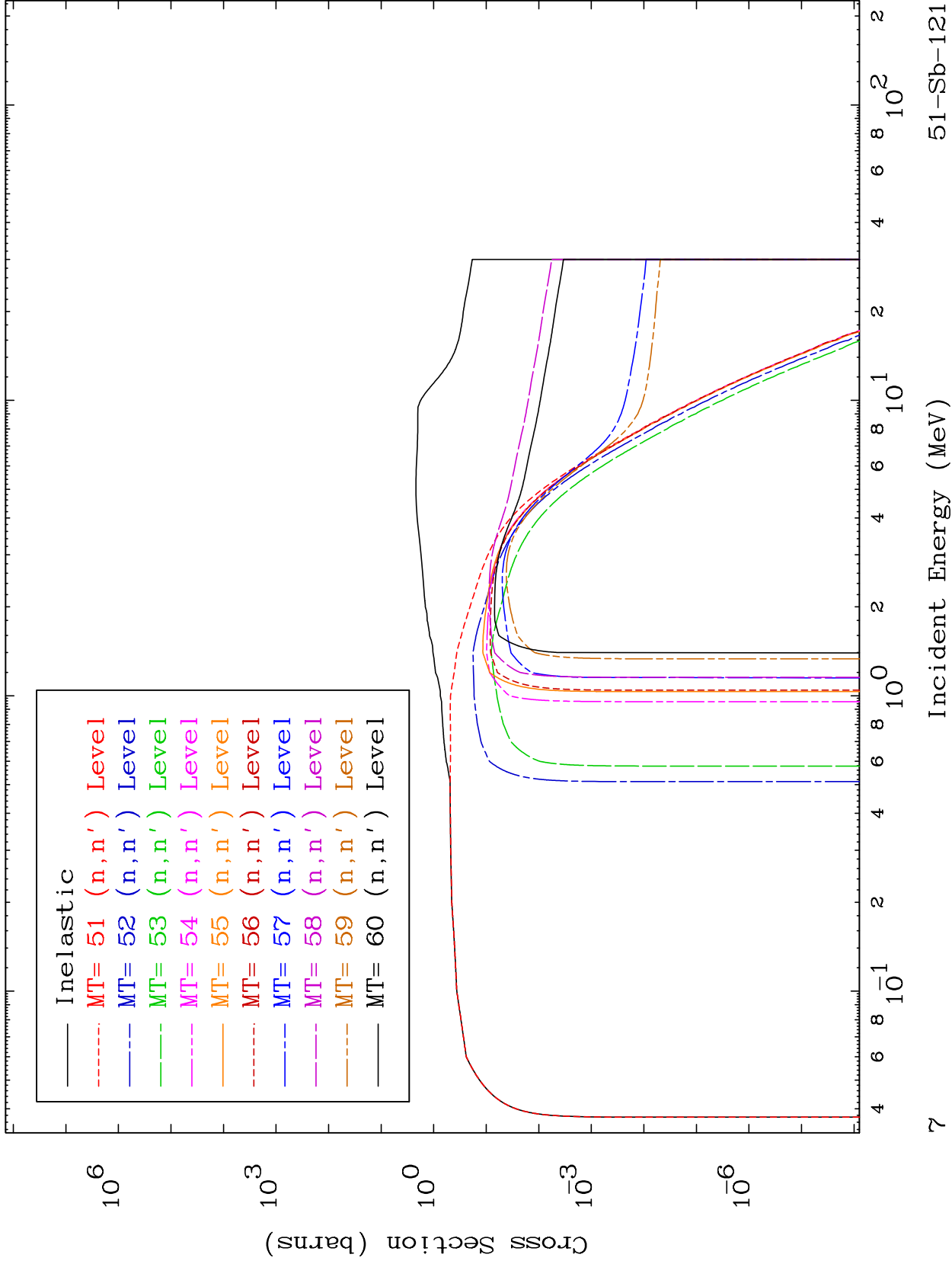
51-Sb-121



51-Sb-121

Incident Energy (MeV)

6

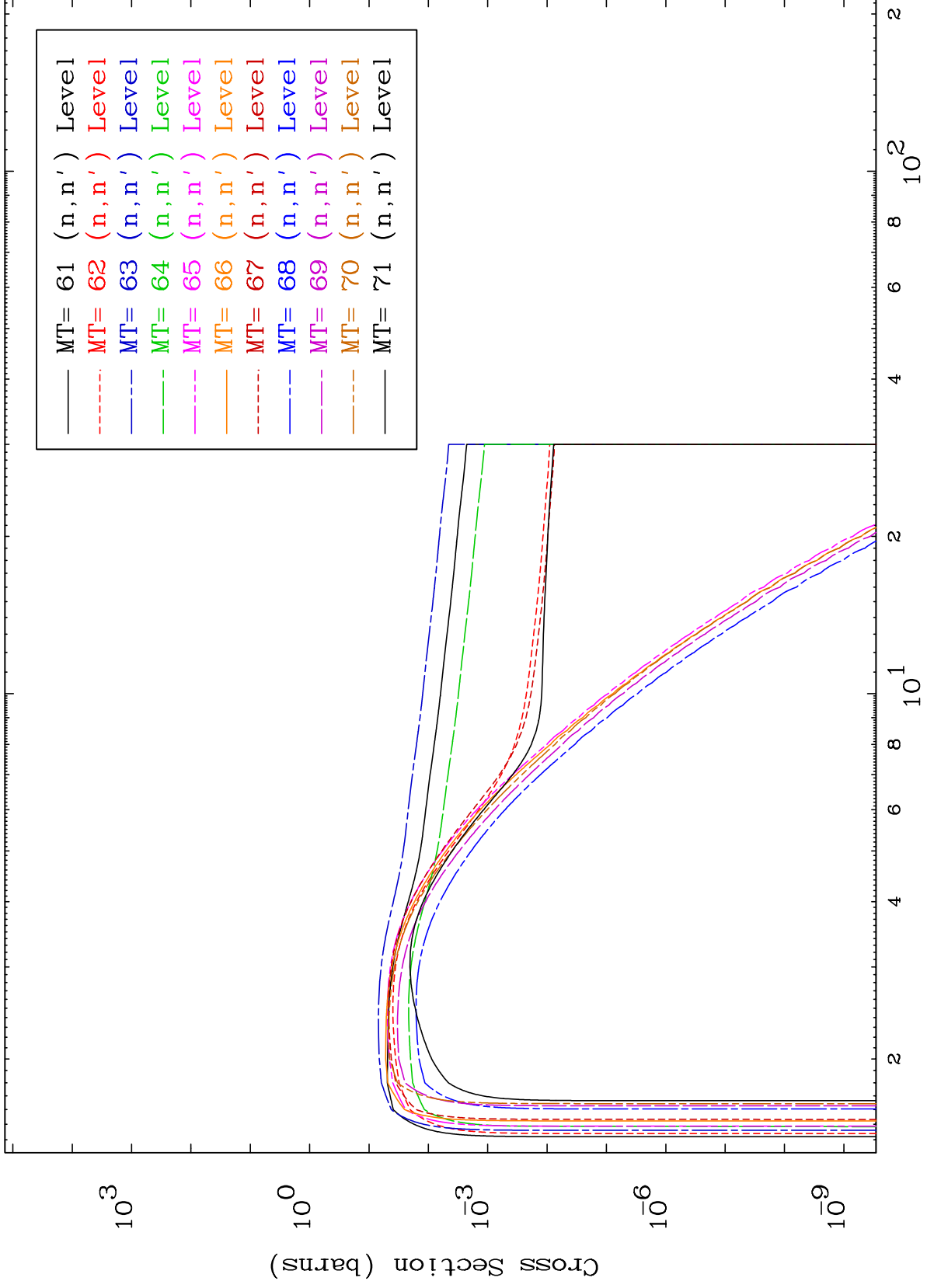


MAT 5125

(n,n') Level

293 Kelvin Cross Sections

51-Sb-121



8

Incident Energy (MeV)

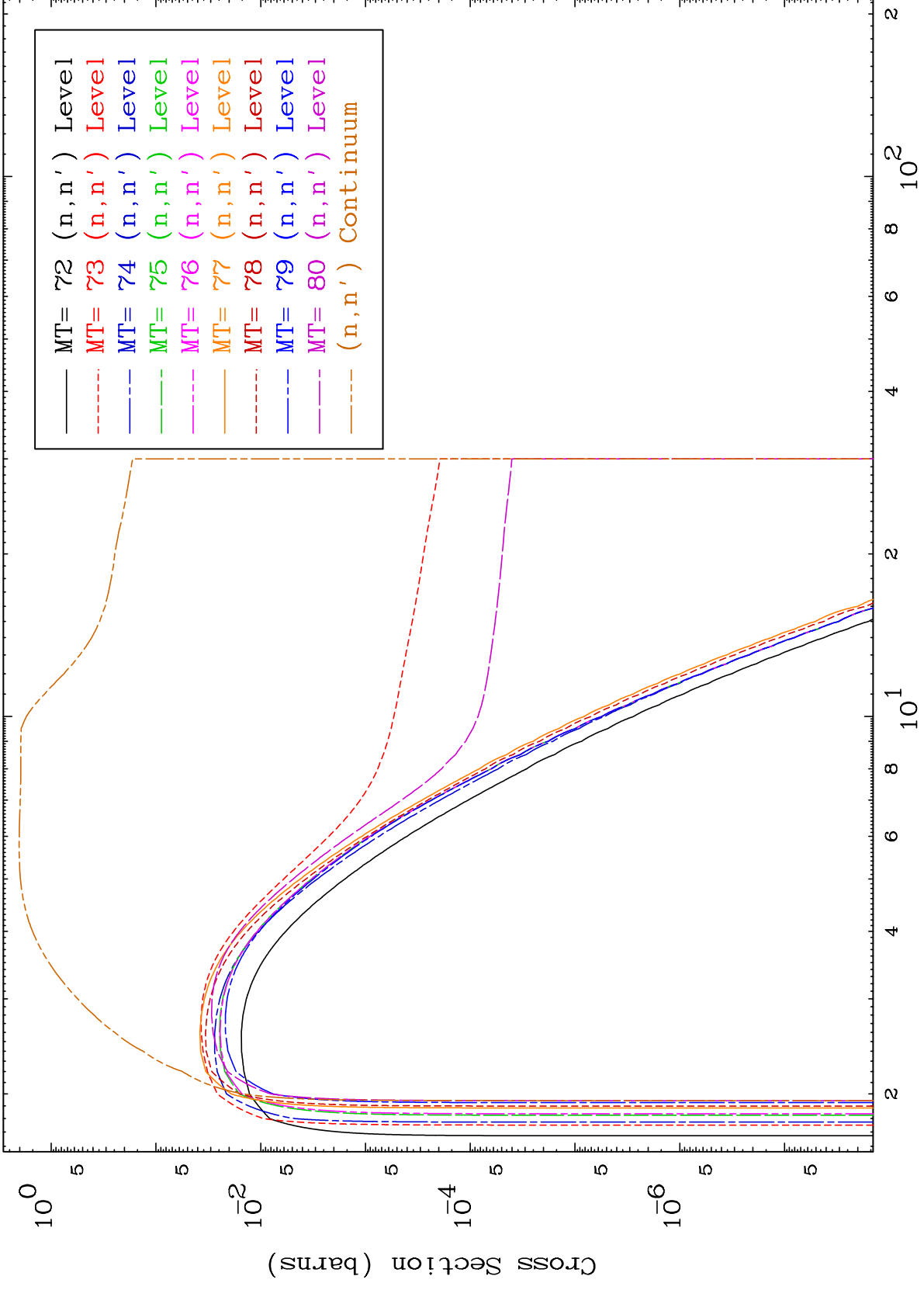
51-Sb-121

MAT 5125

(n,n') Level

51-Sb-121

293 Kelvin Cross Sections



9

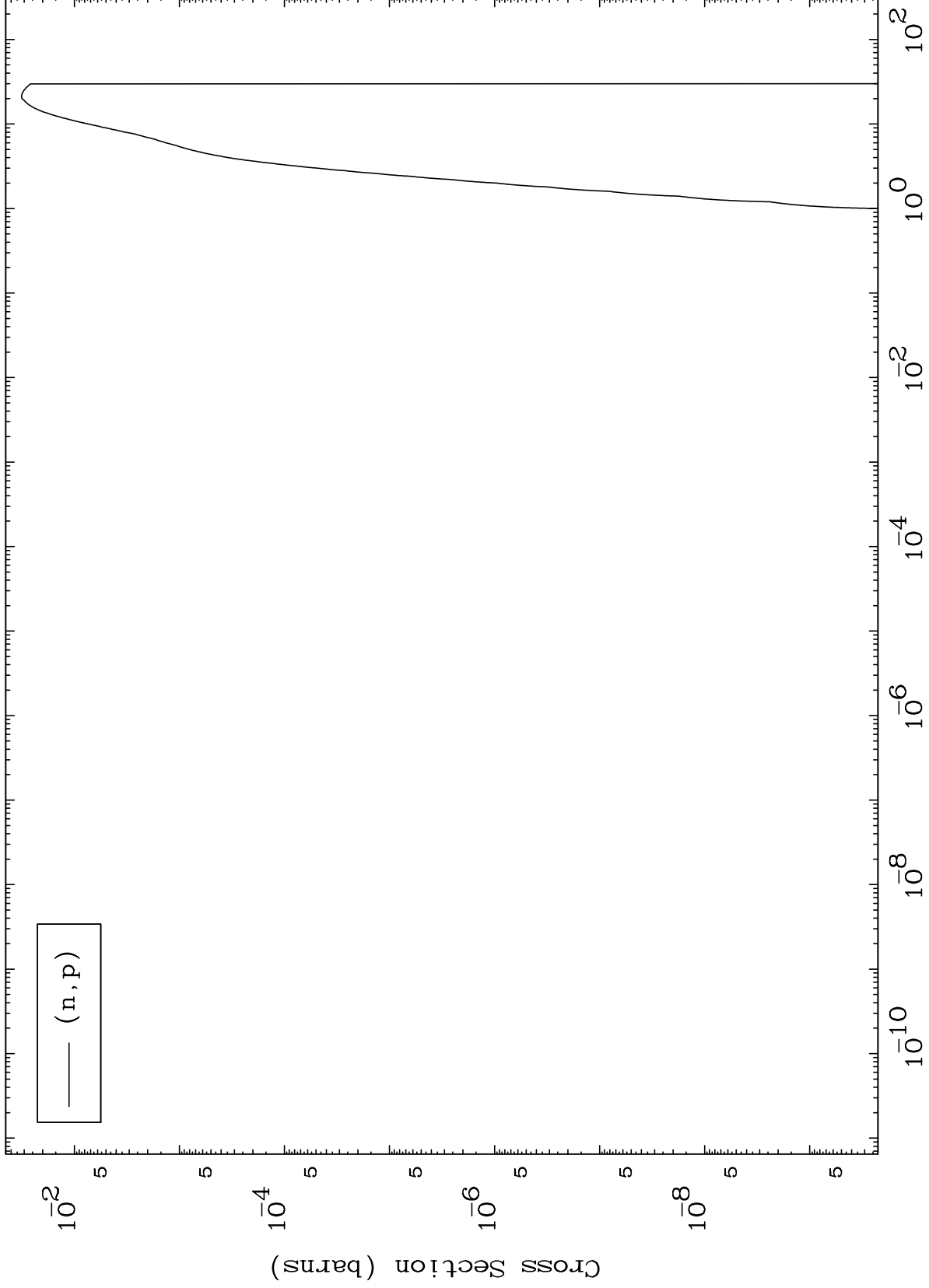
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,p) Levels
293 Kelvin Cross Sections

51-Sb-121



10

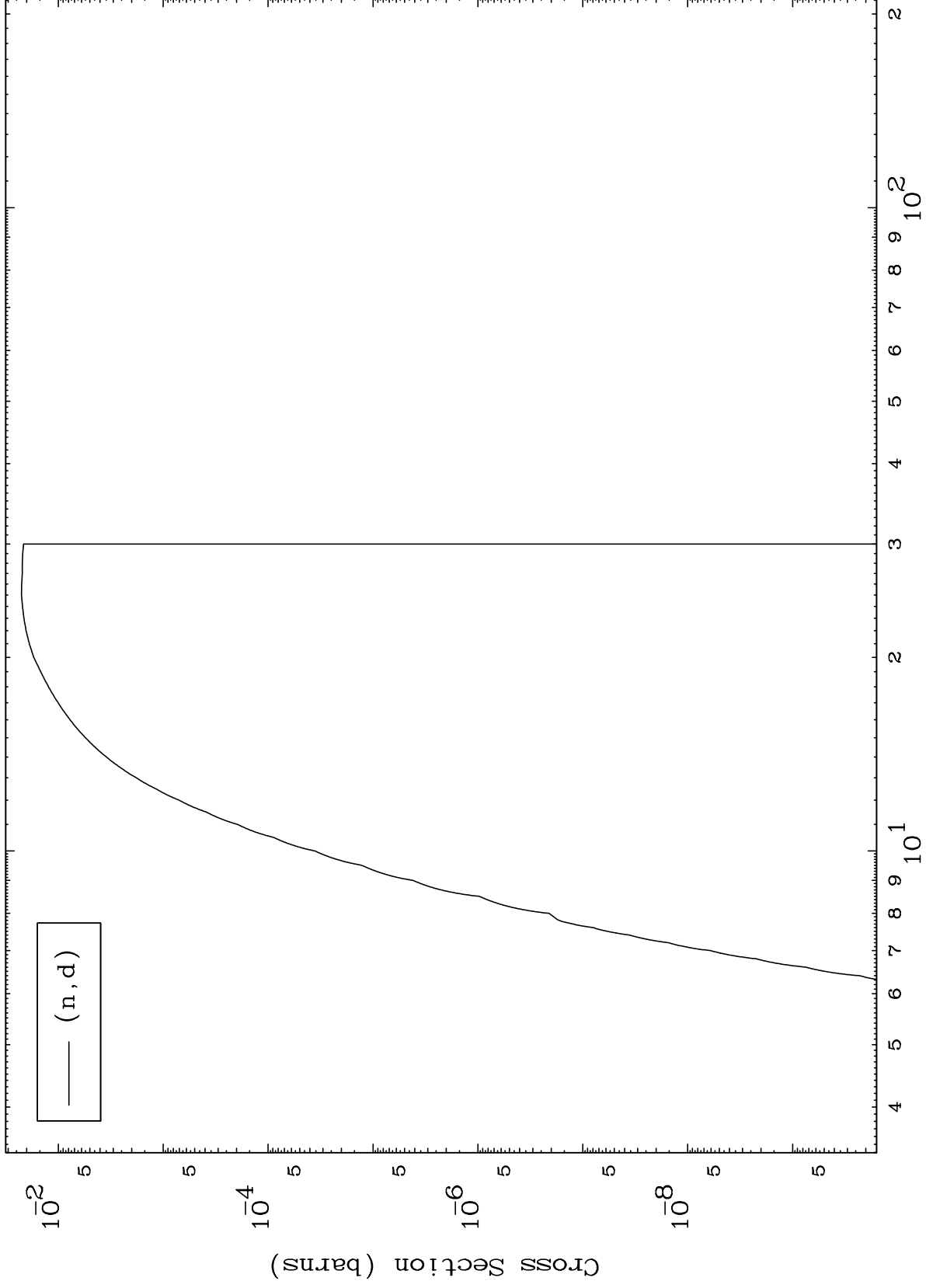
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,d) Levels
293 Kelvin Cross Sections

51-Sb-121



11

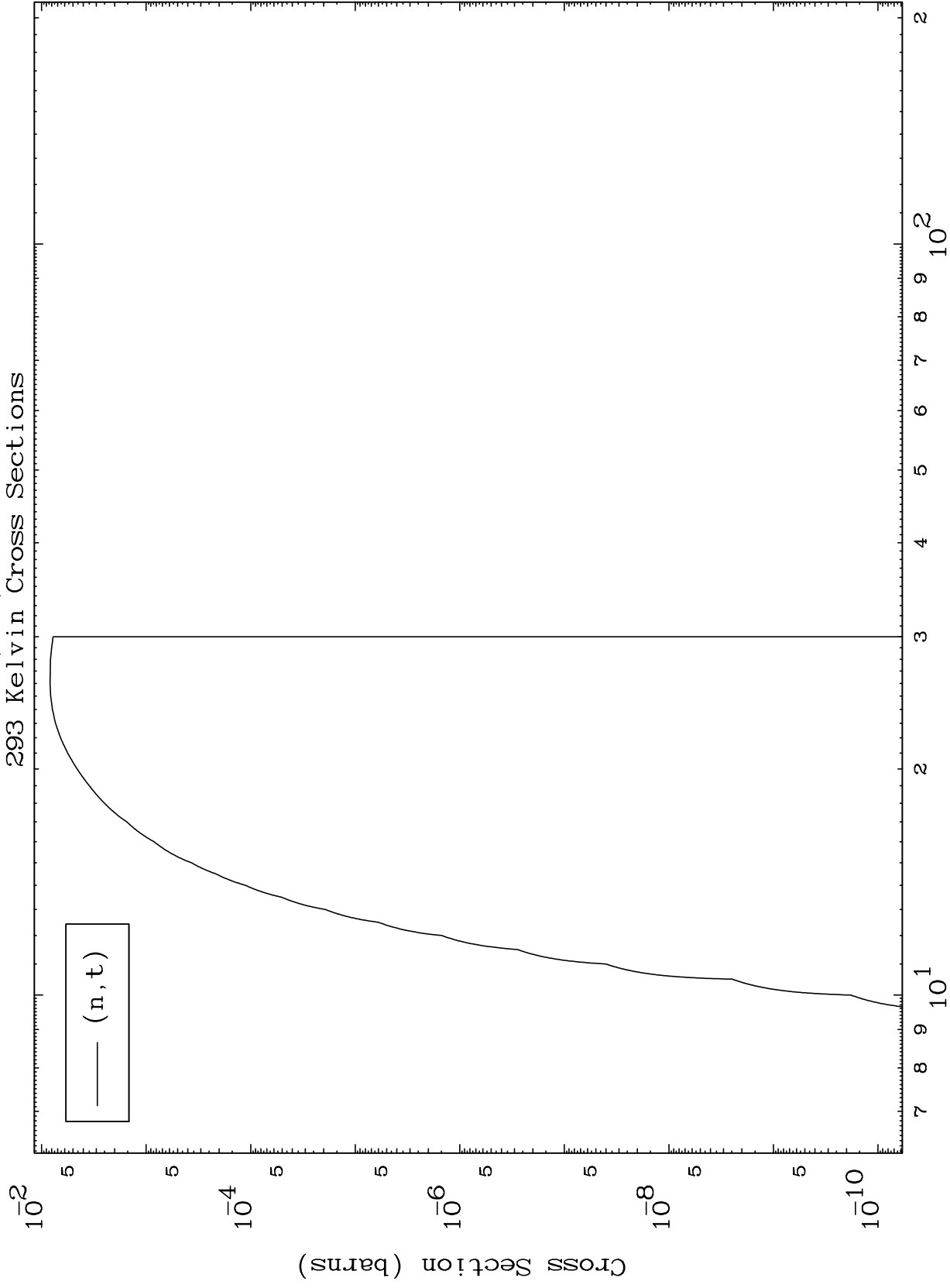
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,t) Levels
293 Kelvin Cross Sections

51-Sb-121



12

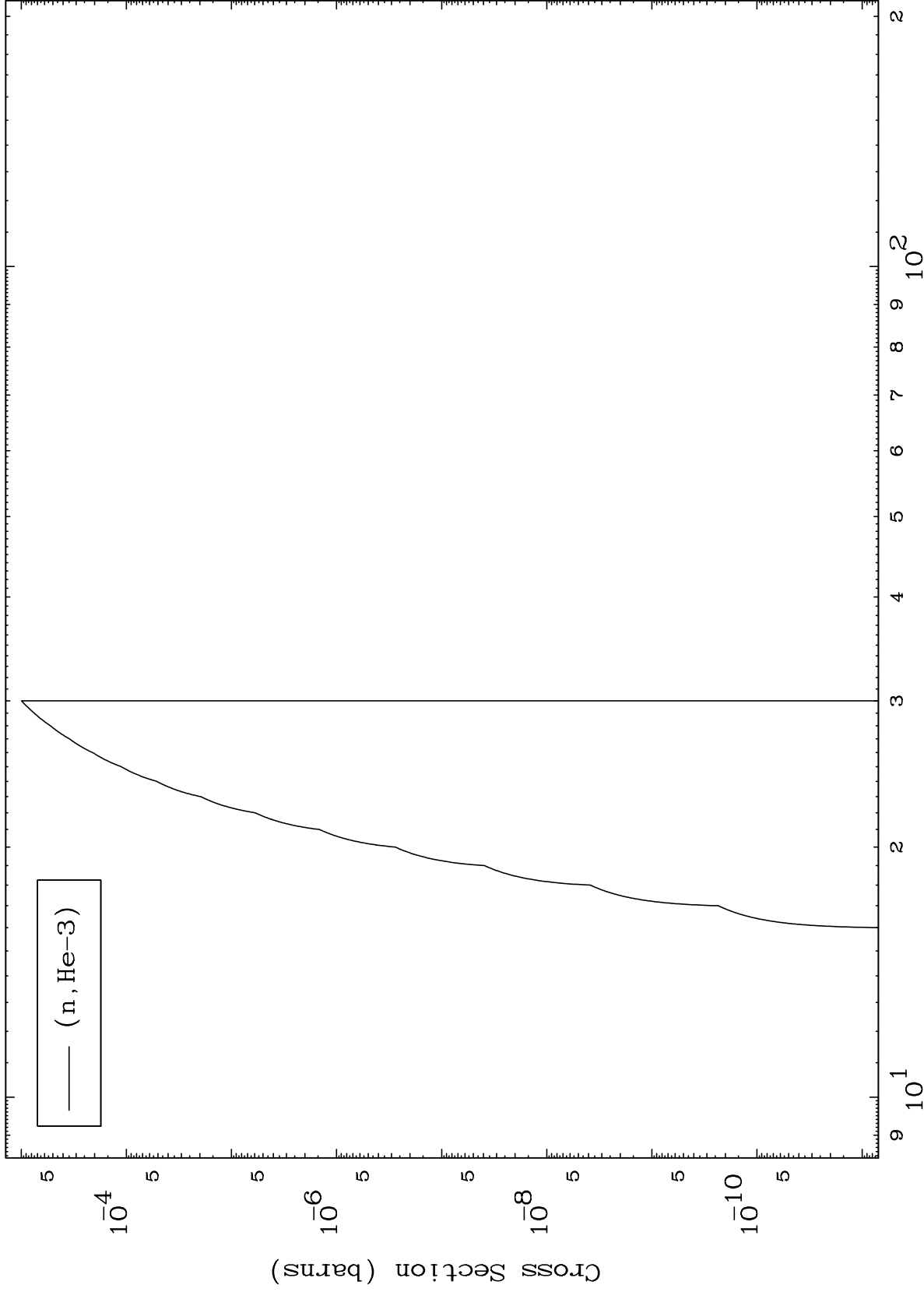
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-121



13

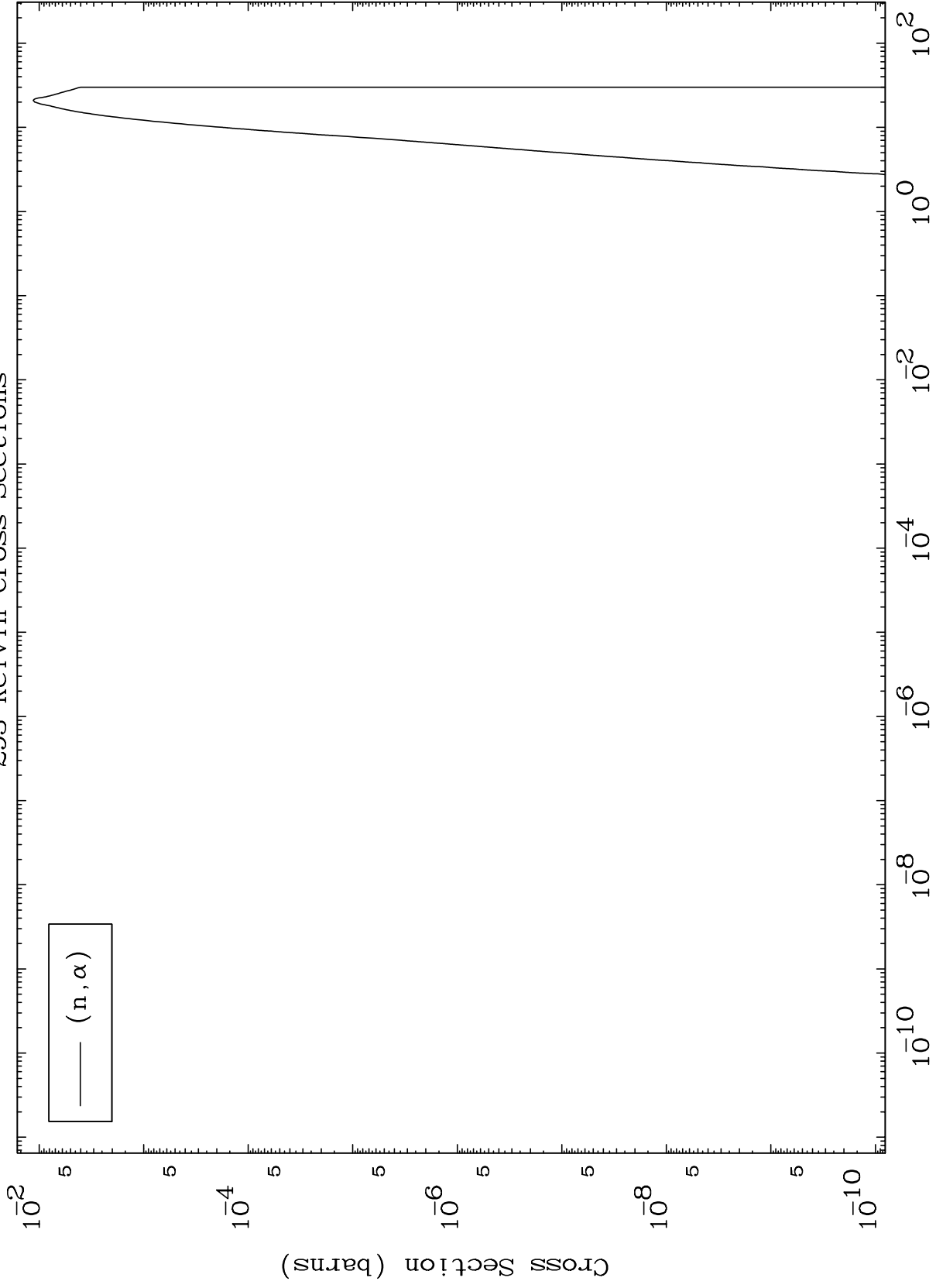
Incident Energy (MeV)

51-Sb-121

MAT 5125

(n, α) Levels
293 Kelvin Cross Sections

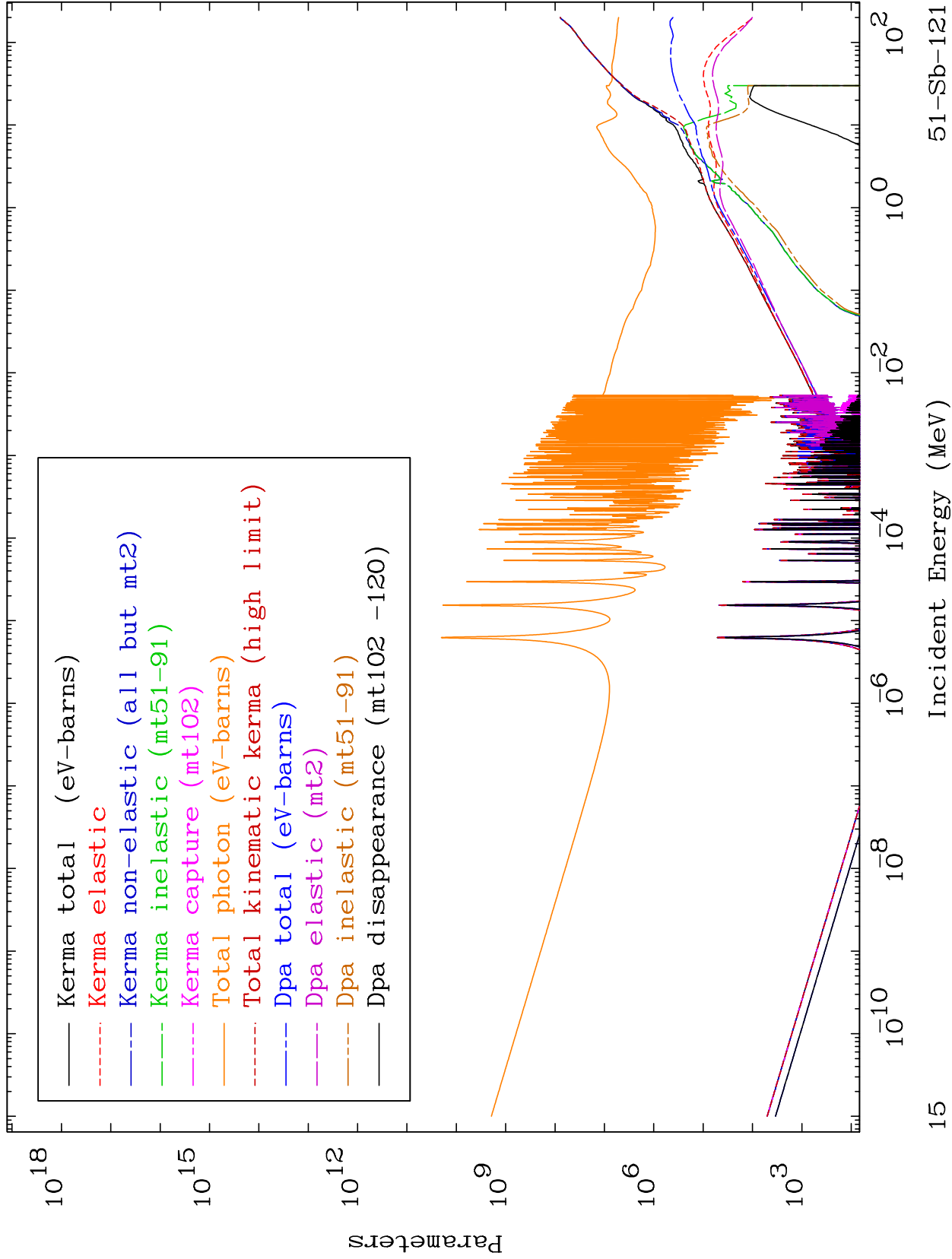
51-Sb-121



14

Incident Energy (MeV)

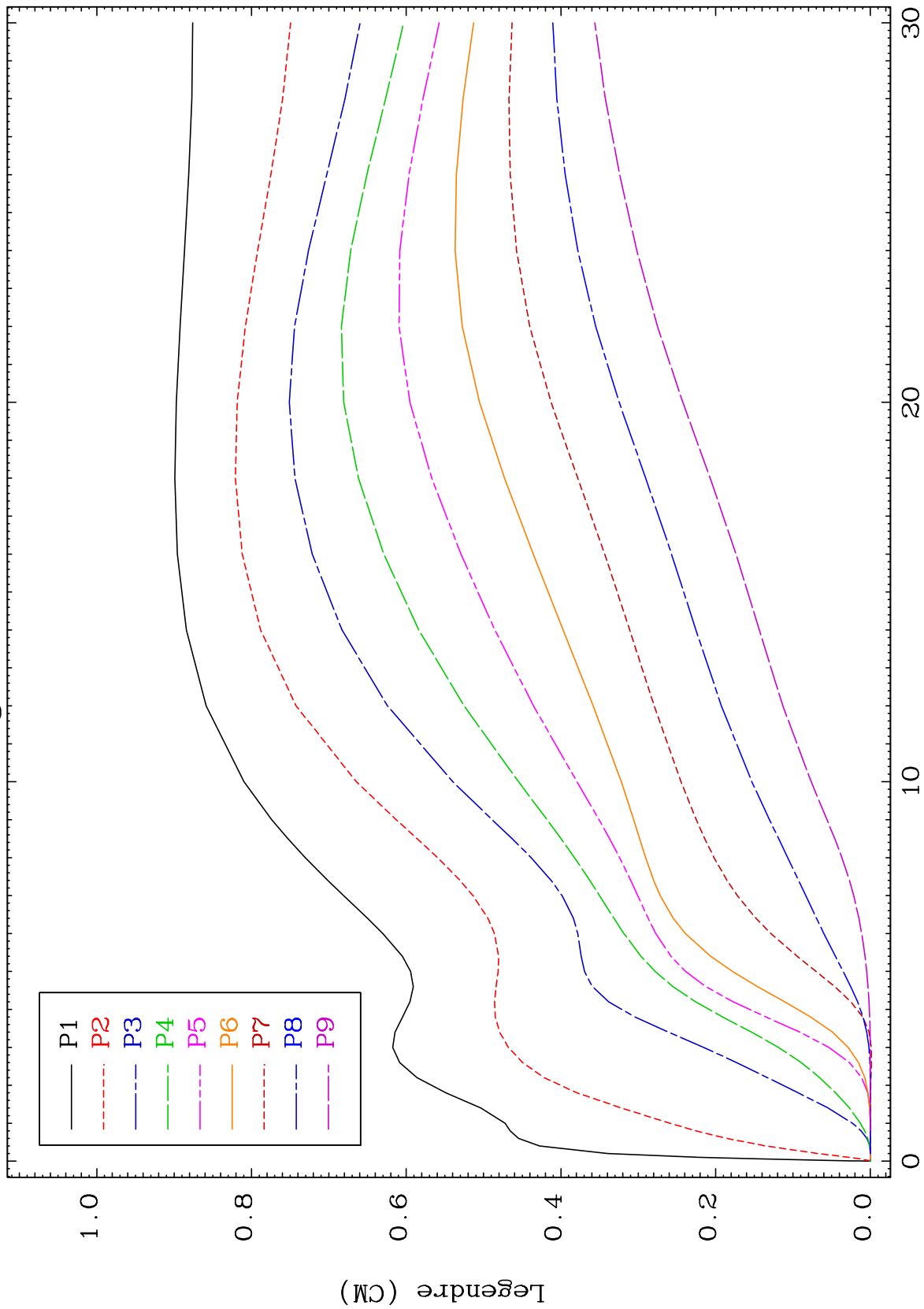
51-Sb-121



MAT 5125

Elastic Legendre Coefficients

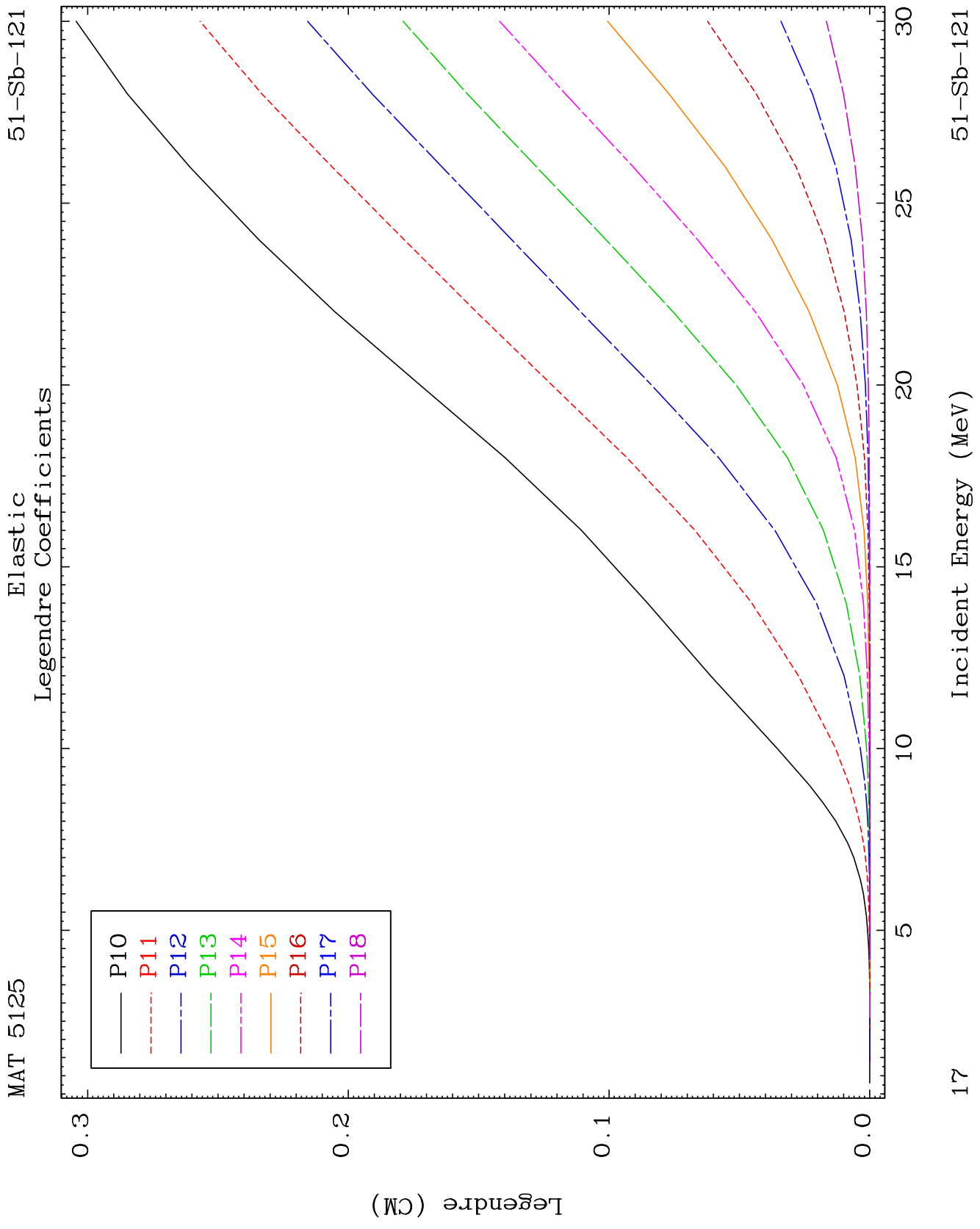
51-Sb-121



16

Incident Energy (MeV)

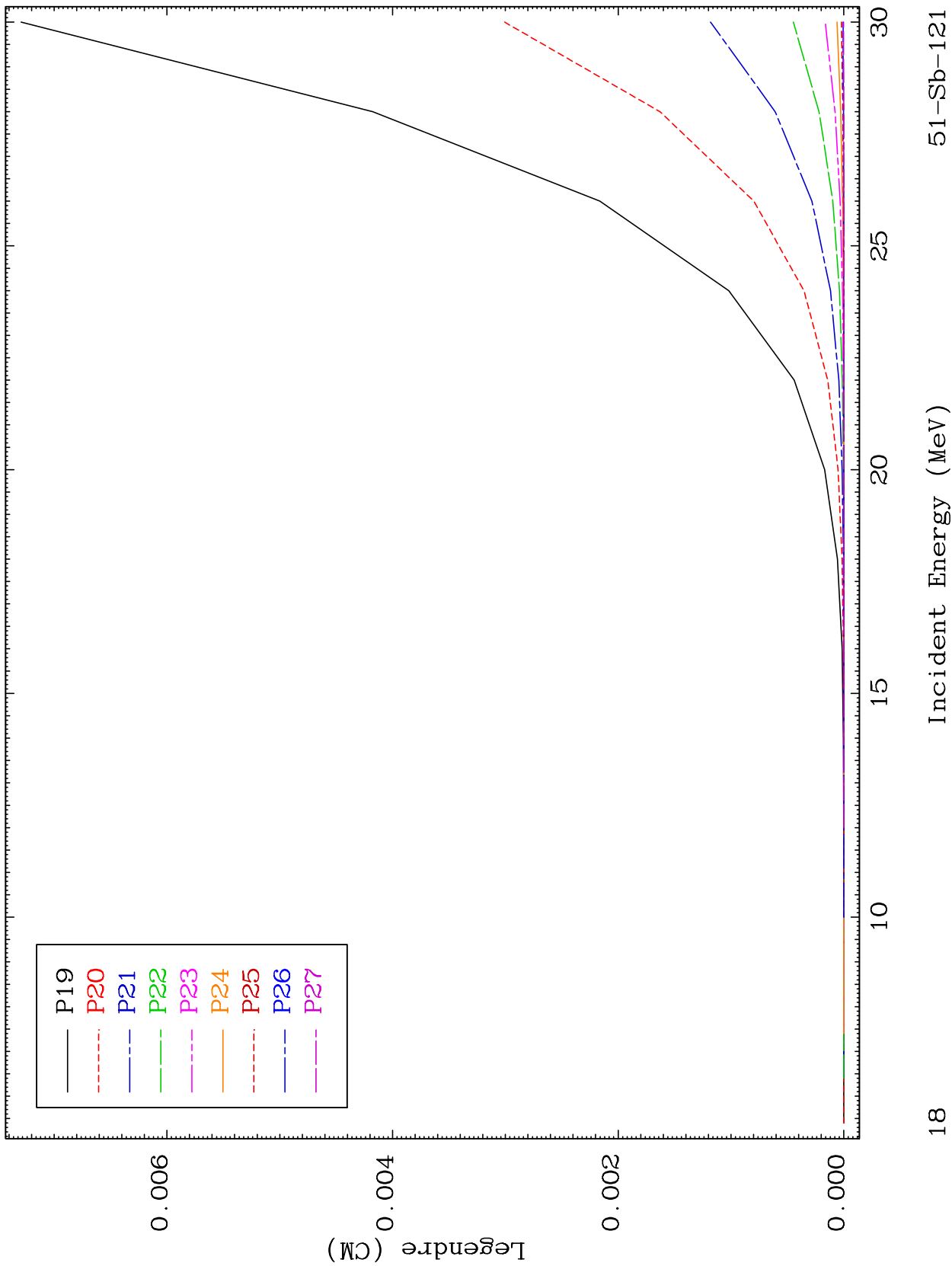
51-Sb-121



MAT 5125

Elastic Legendre Coefficients

51-Sb-121



18

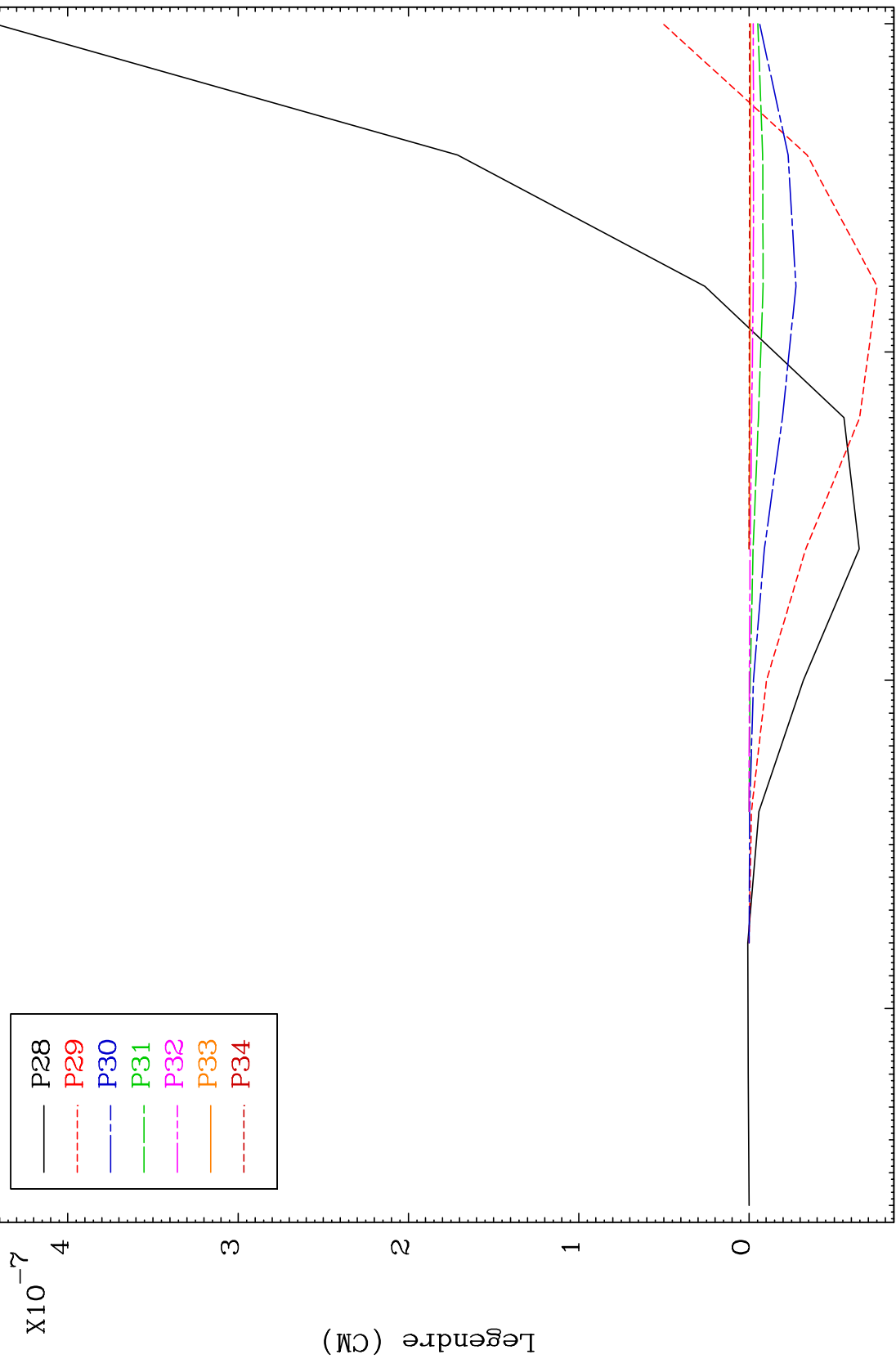
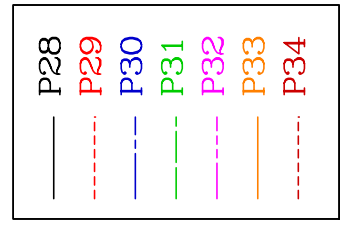
Incident Energy (MeV)

51-Sb-121

MAT 5125

Elastic Legendre Coefficients

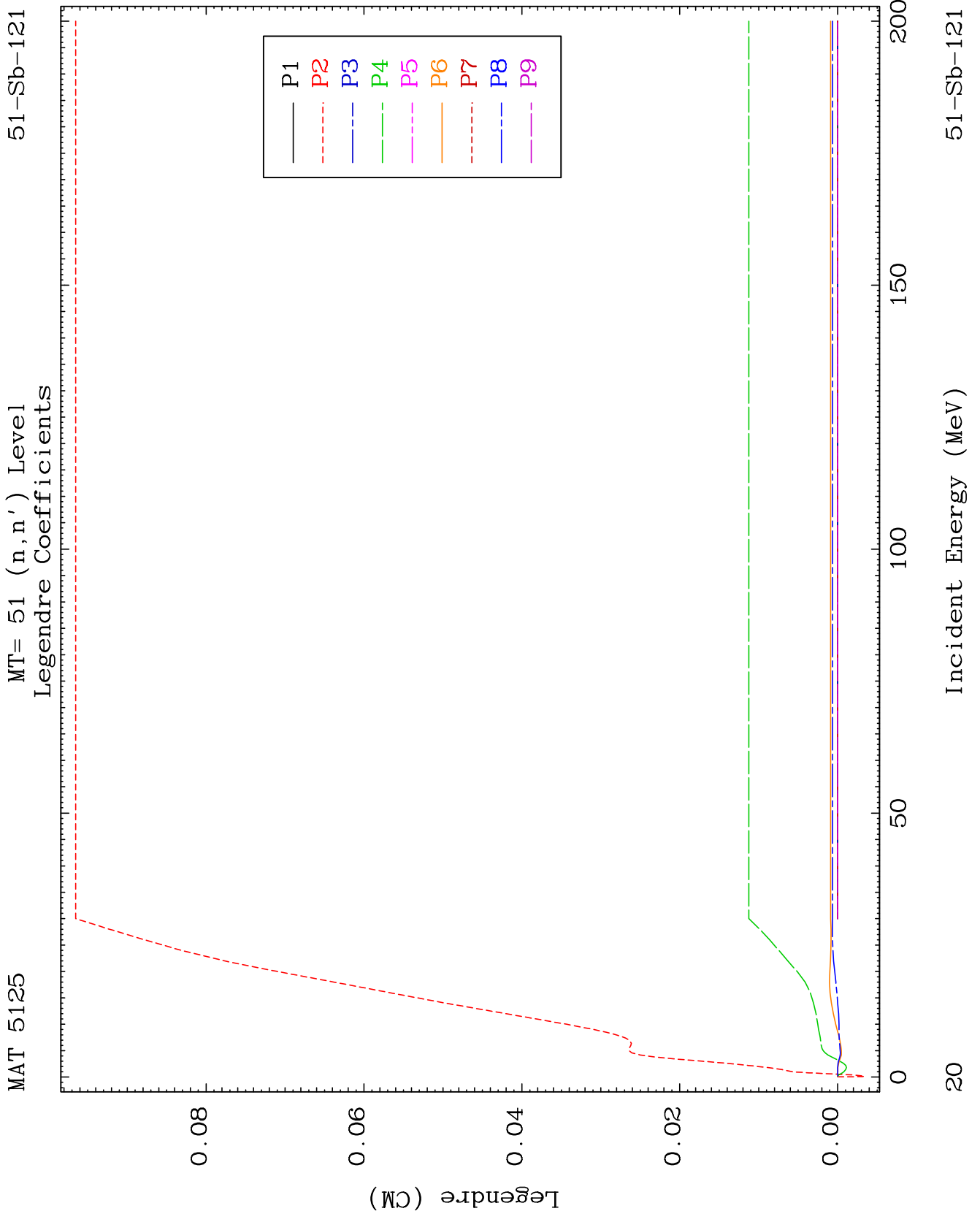
51-Sb-121



19

Incident Energy (MeV)

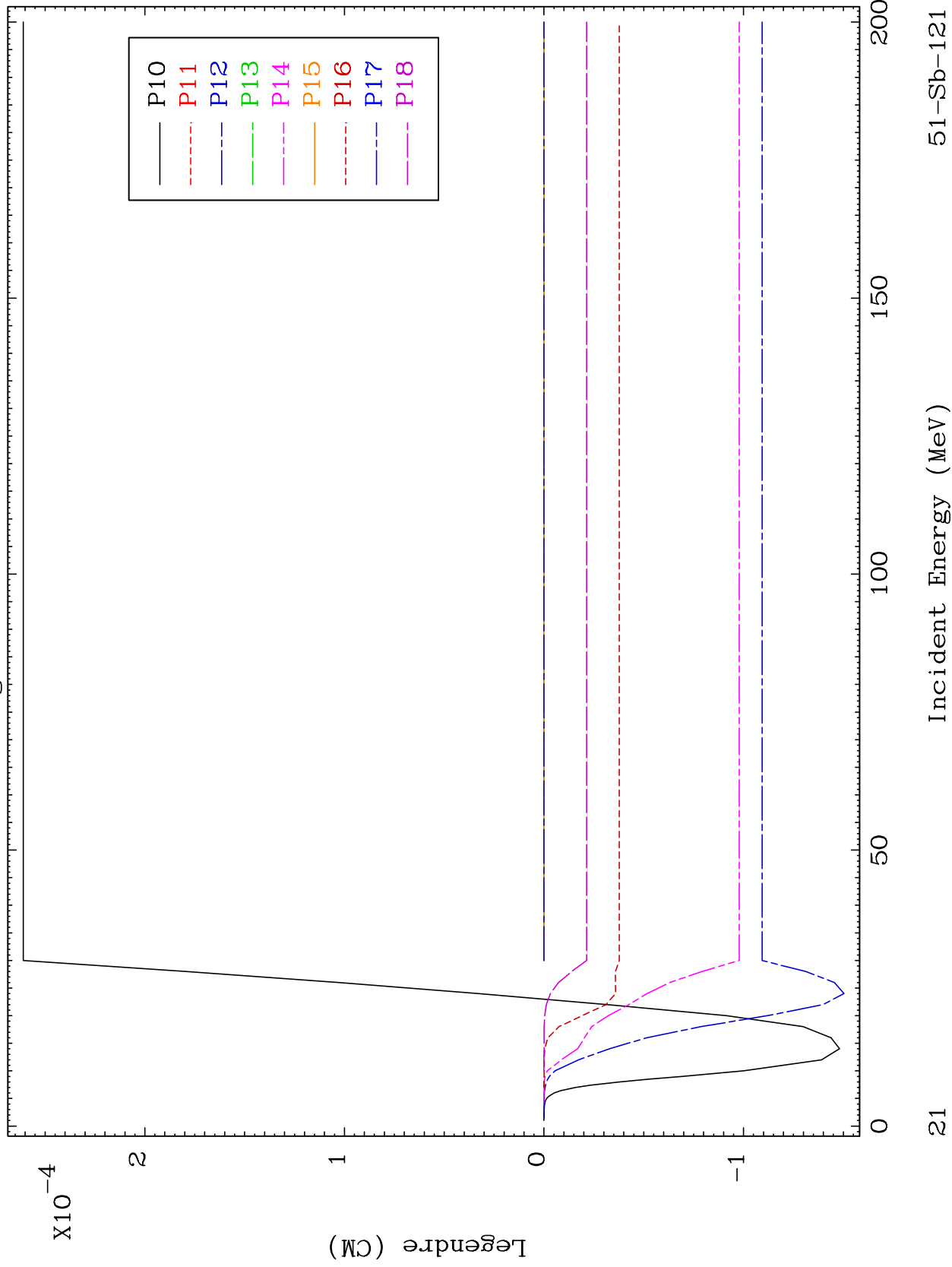
51-Sb-121

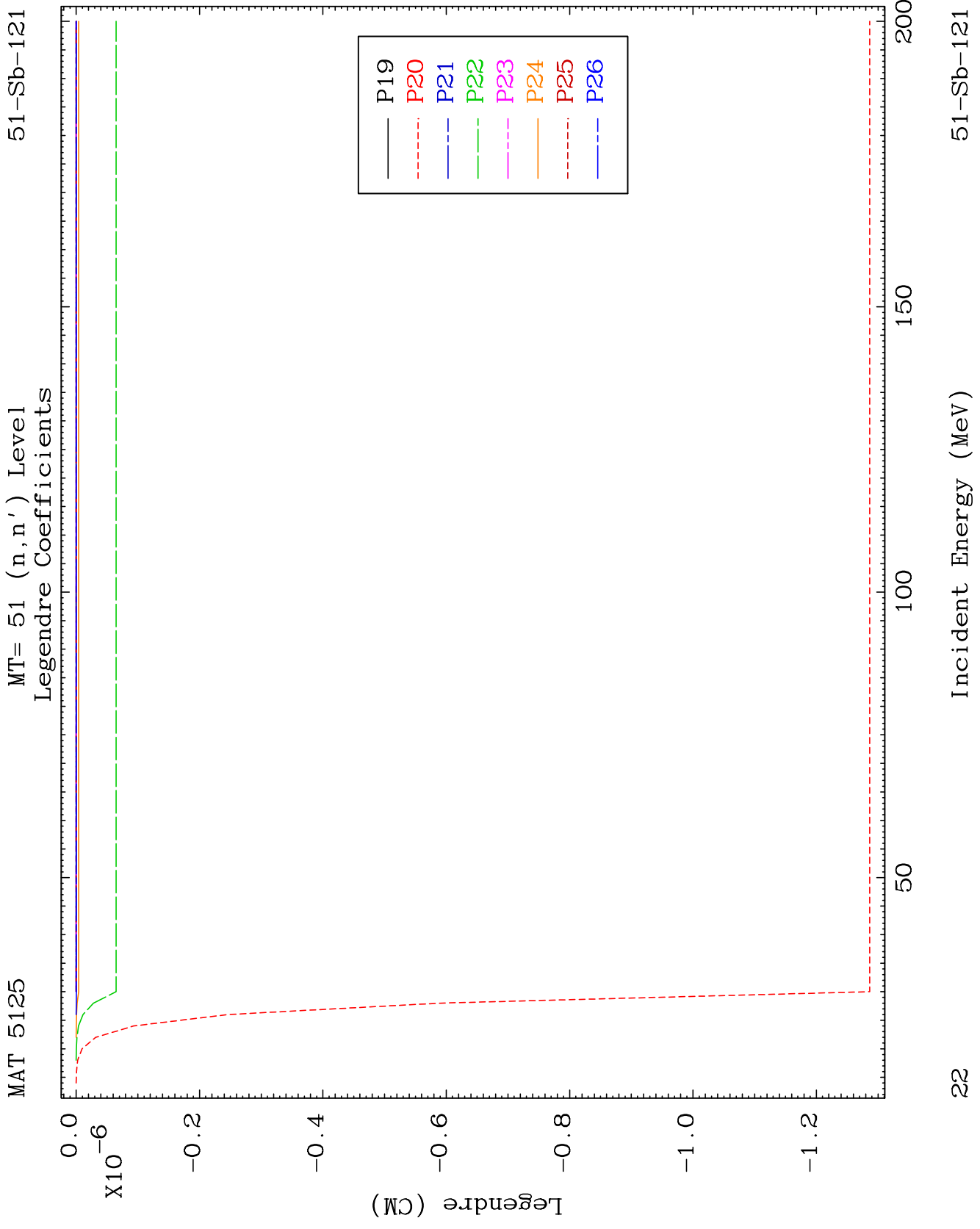


MAT 5125

MT= 51 (n,n') Level
Legendre Coefficients

51-Sb-121

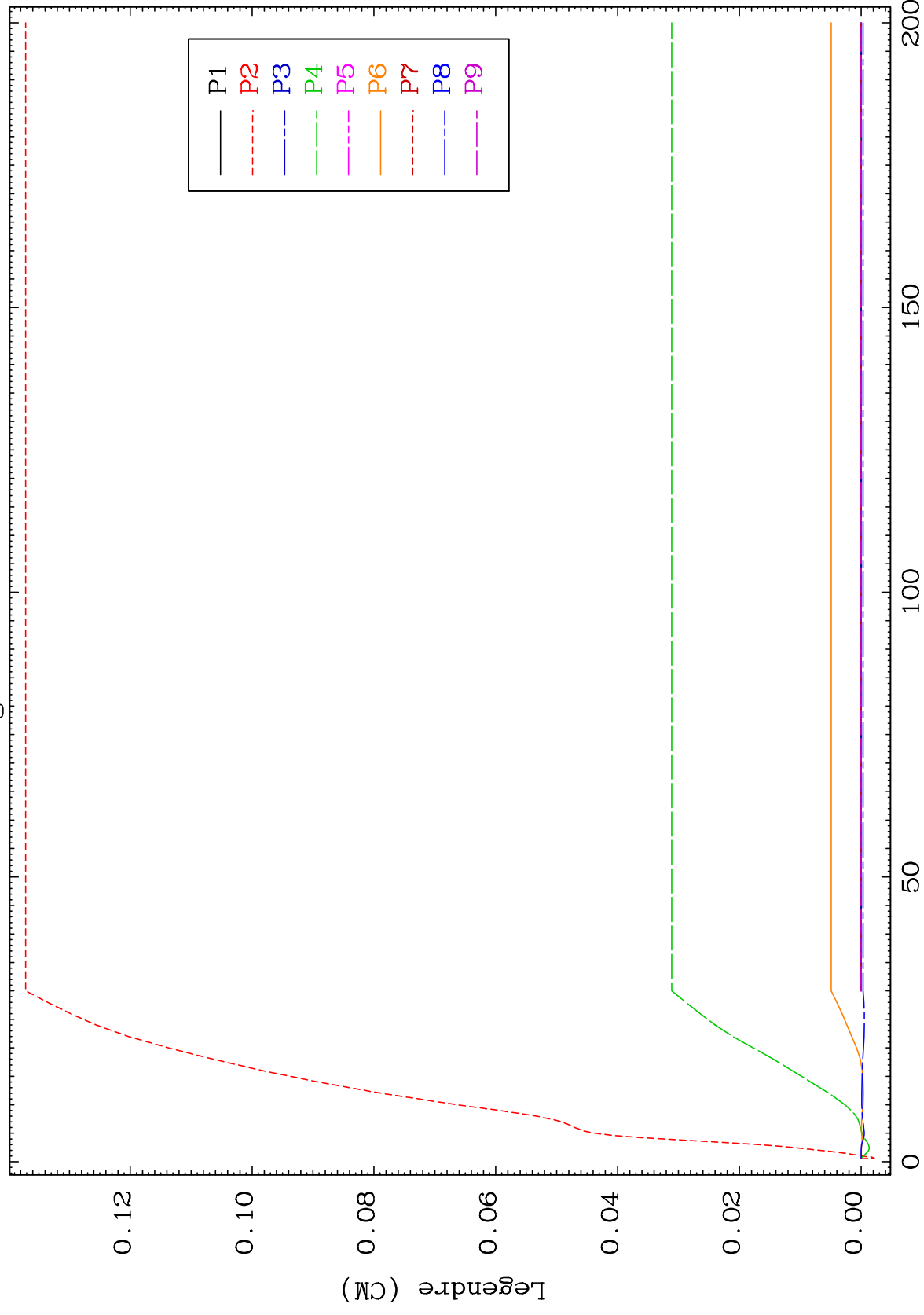




MAT 5125

MT= 52 (n,n') Level
Legendre Coefficients

51-Sb-121



23

Incident Energy (MeV)

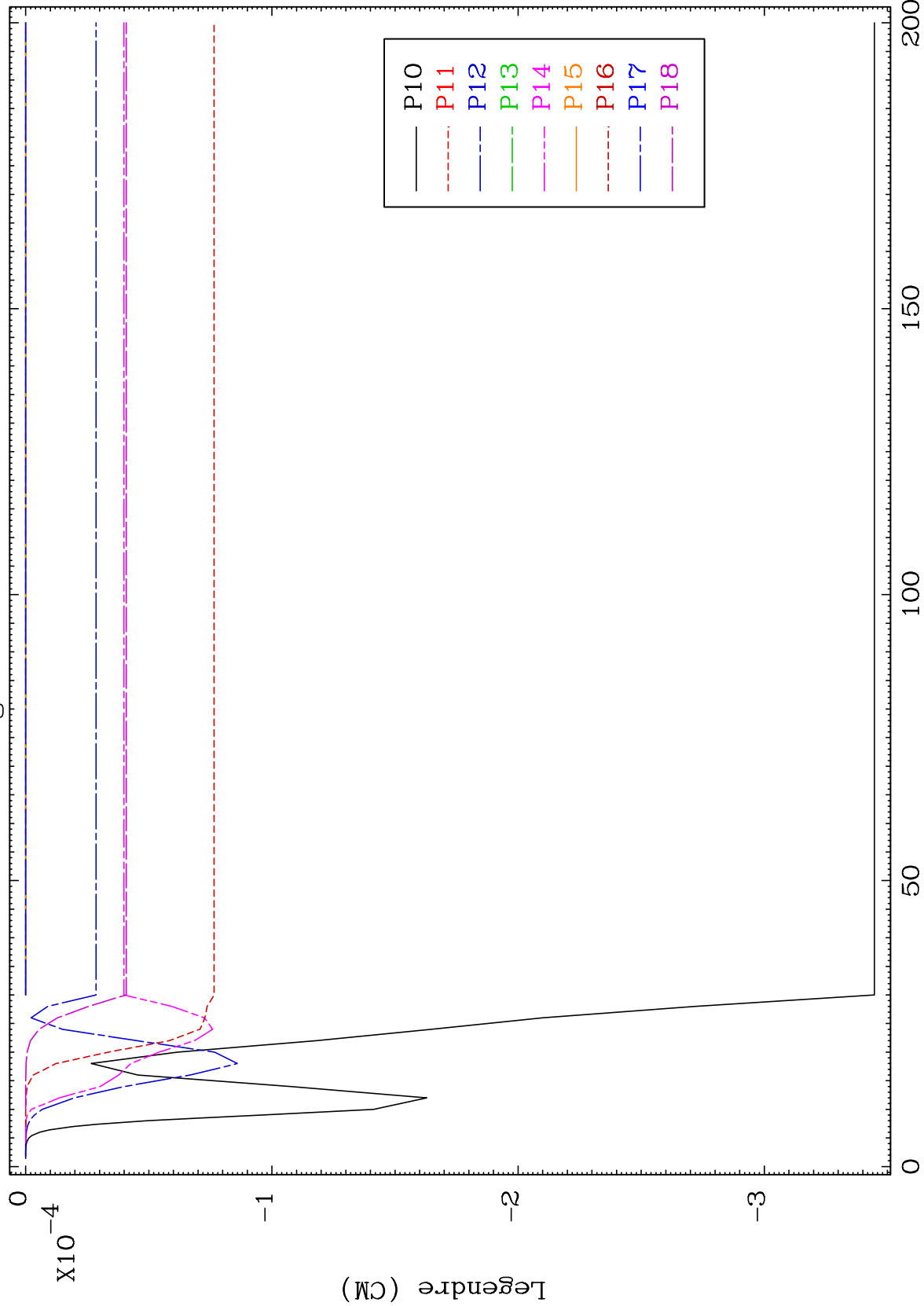
51-Sb-121

MAT 5125

MT= 52 (n,n') Level

51-Sb-121

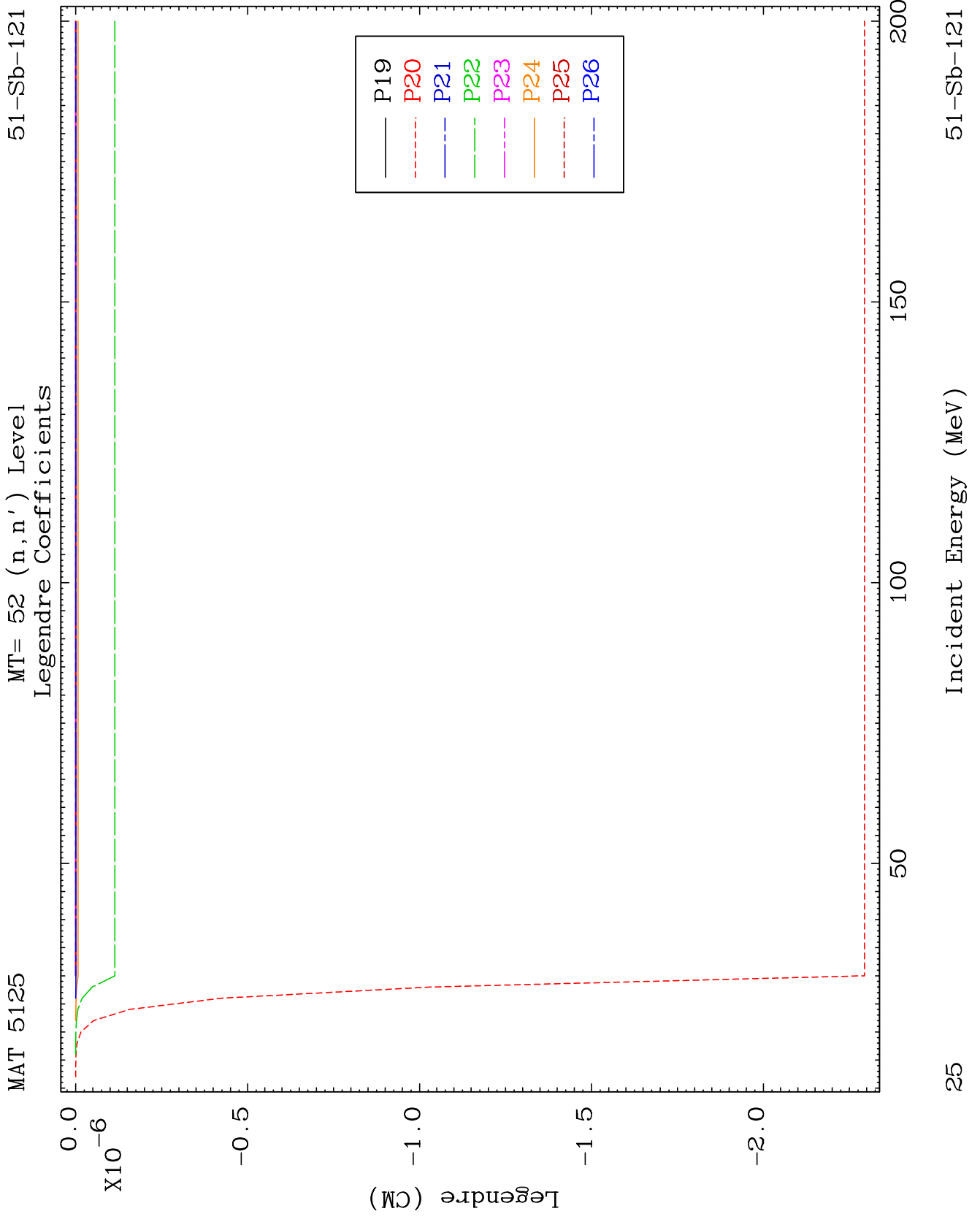
Legendre Coefficients

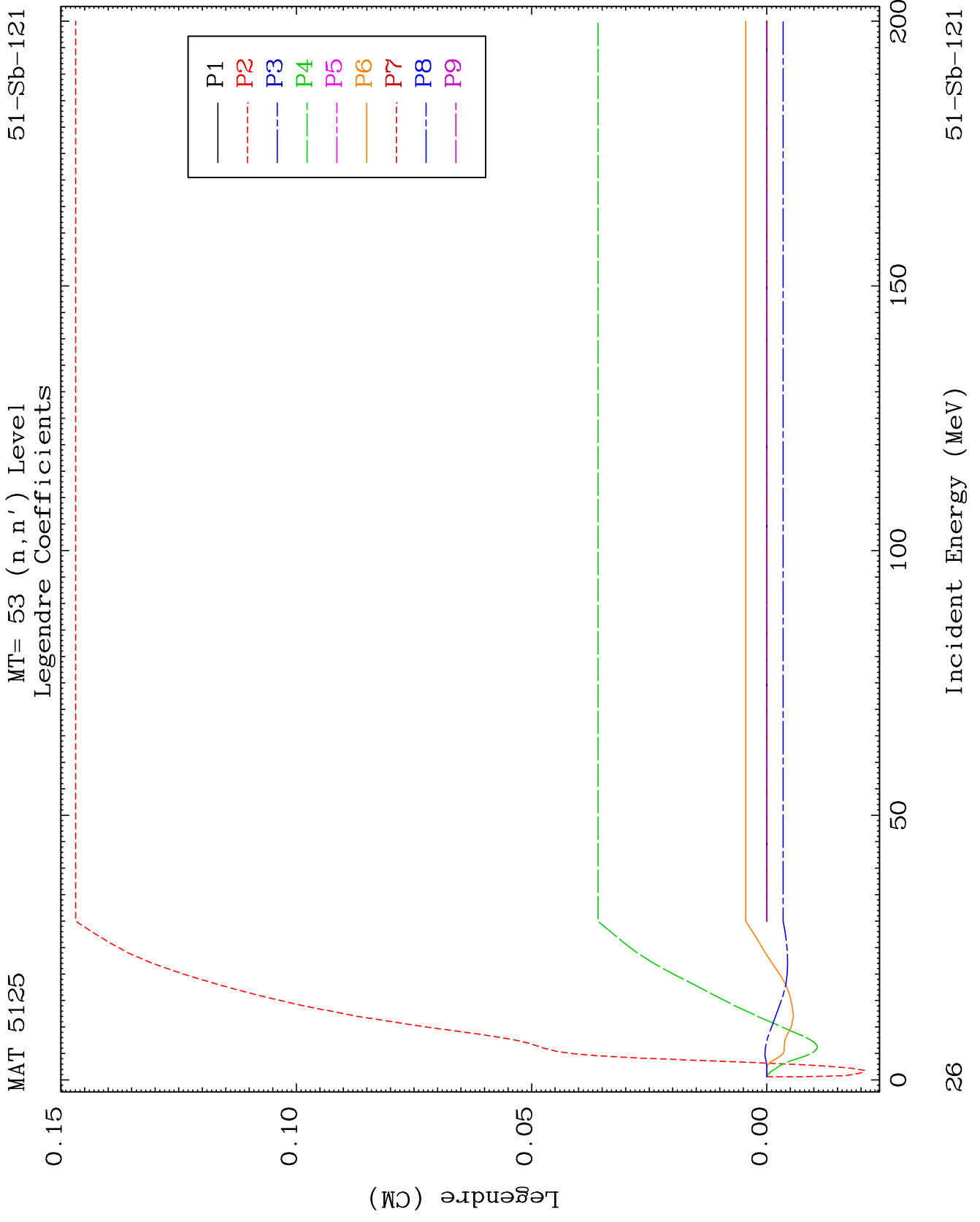


24

Incident Energy (MeV)

51-Sb-121

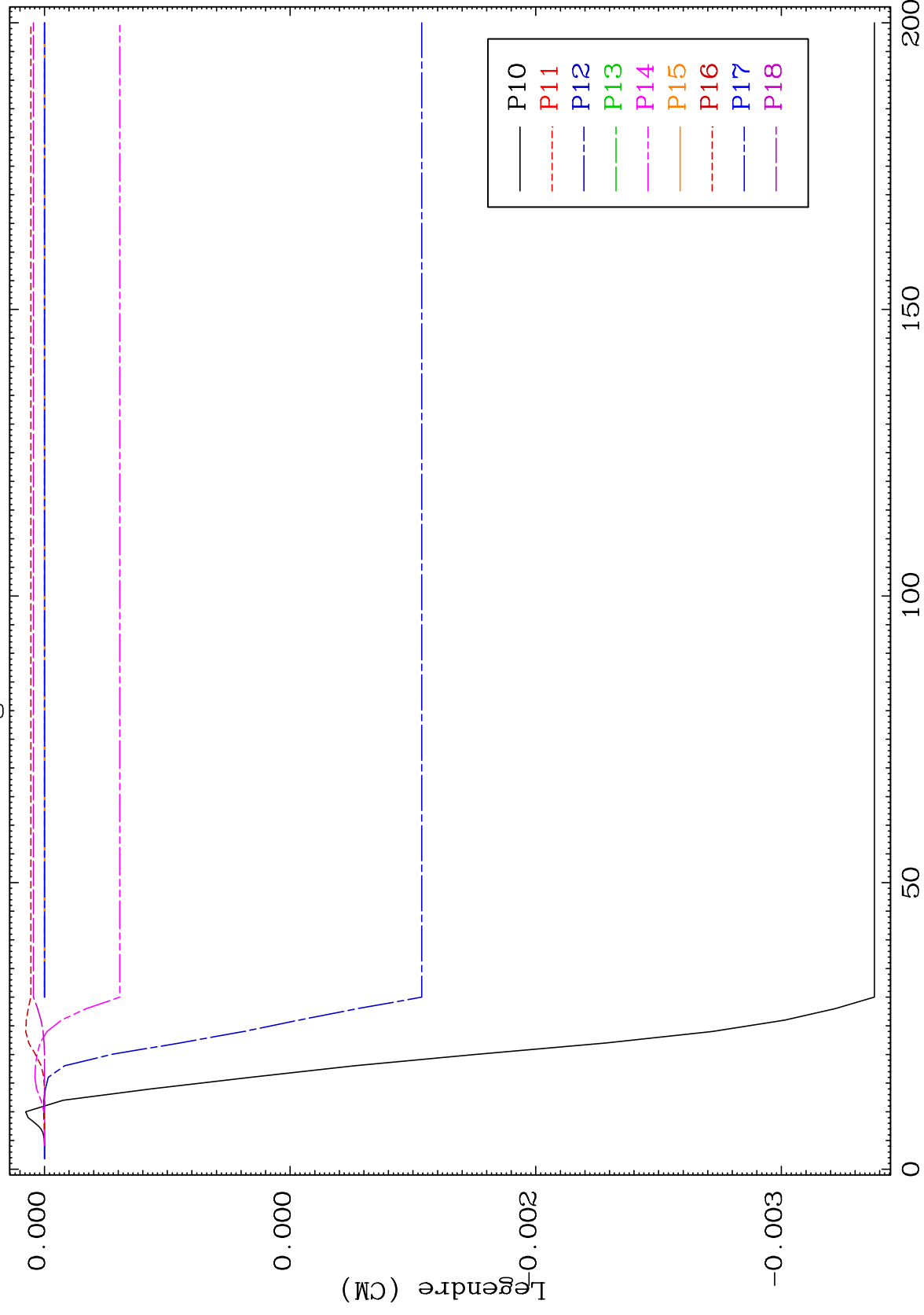




MAT 5125

MT= 53 (n,n') Level
Legendre Coefficients

51-Sb-121



27

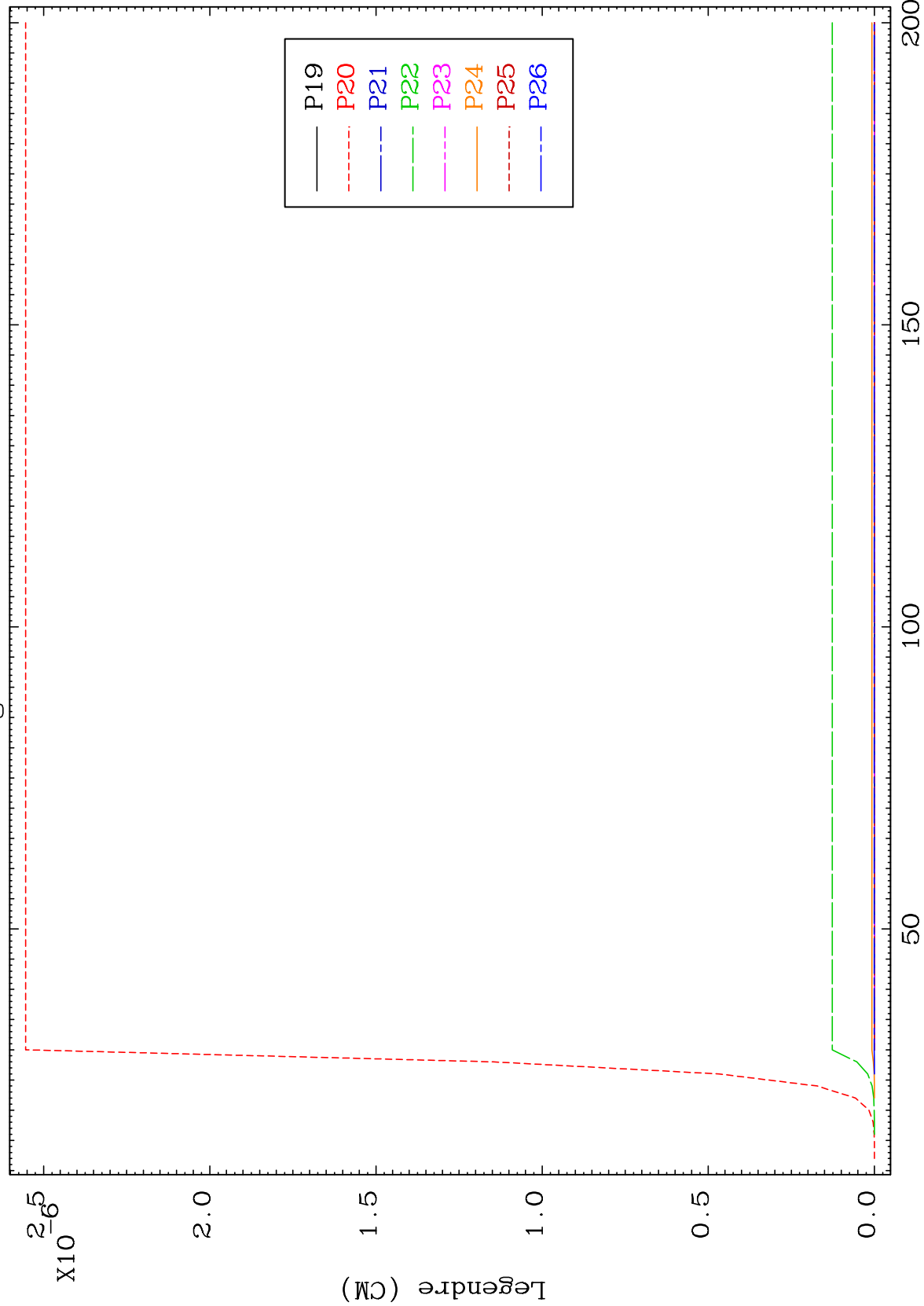
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 53 (n,n') Level
Legendre Coefficients

51-Sb-121



28

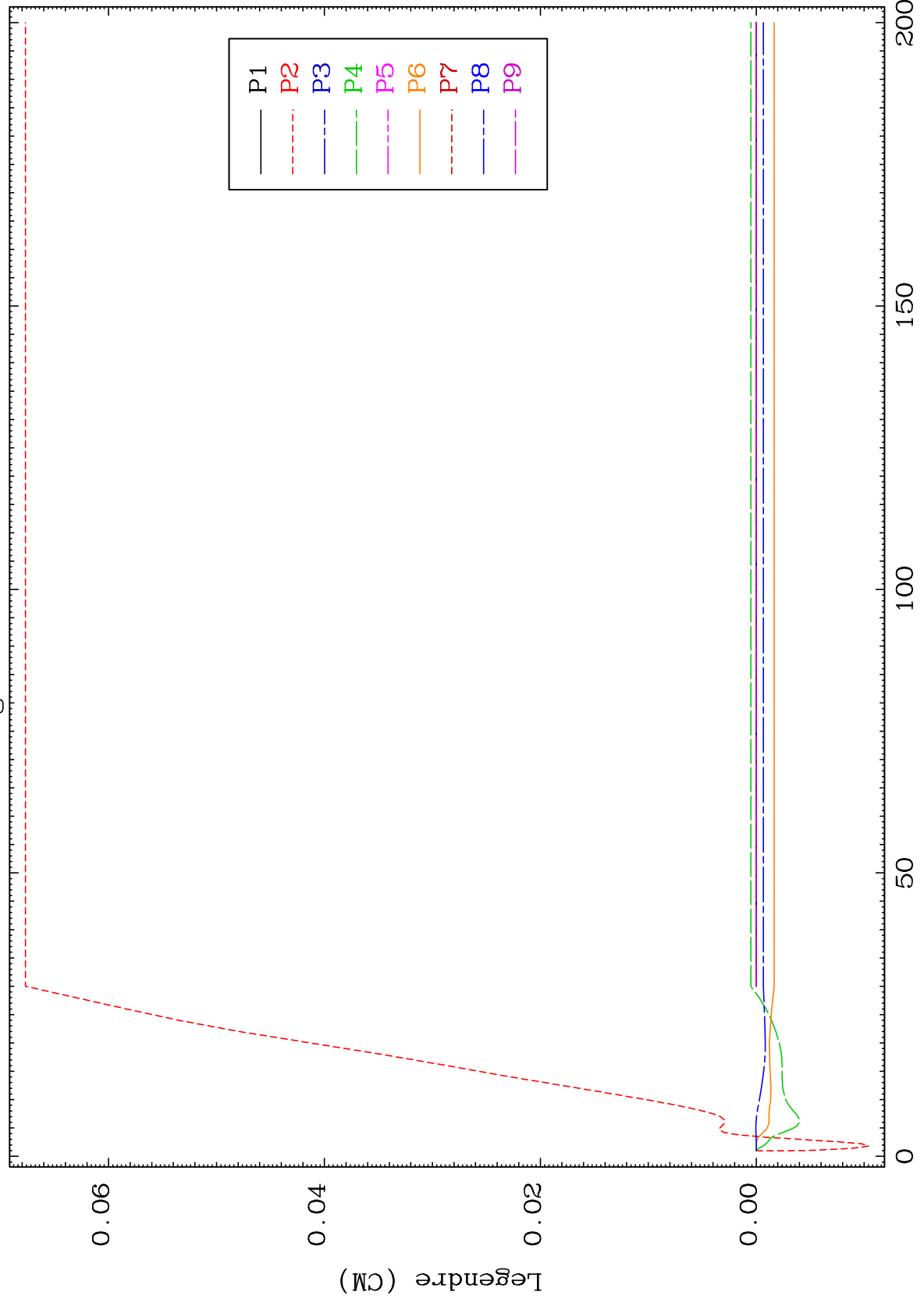
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 54 (n,n') Level
Legendre Coefficients

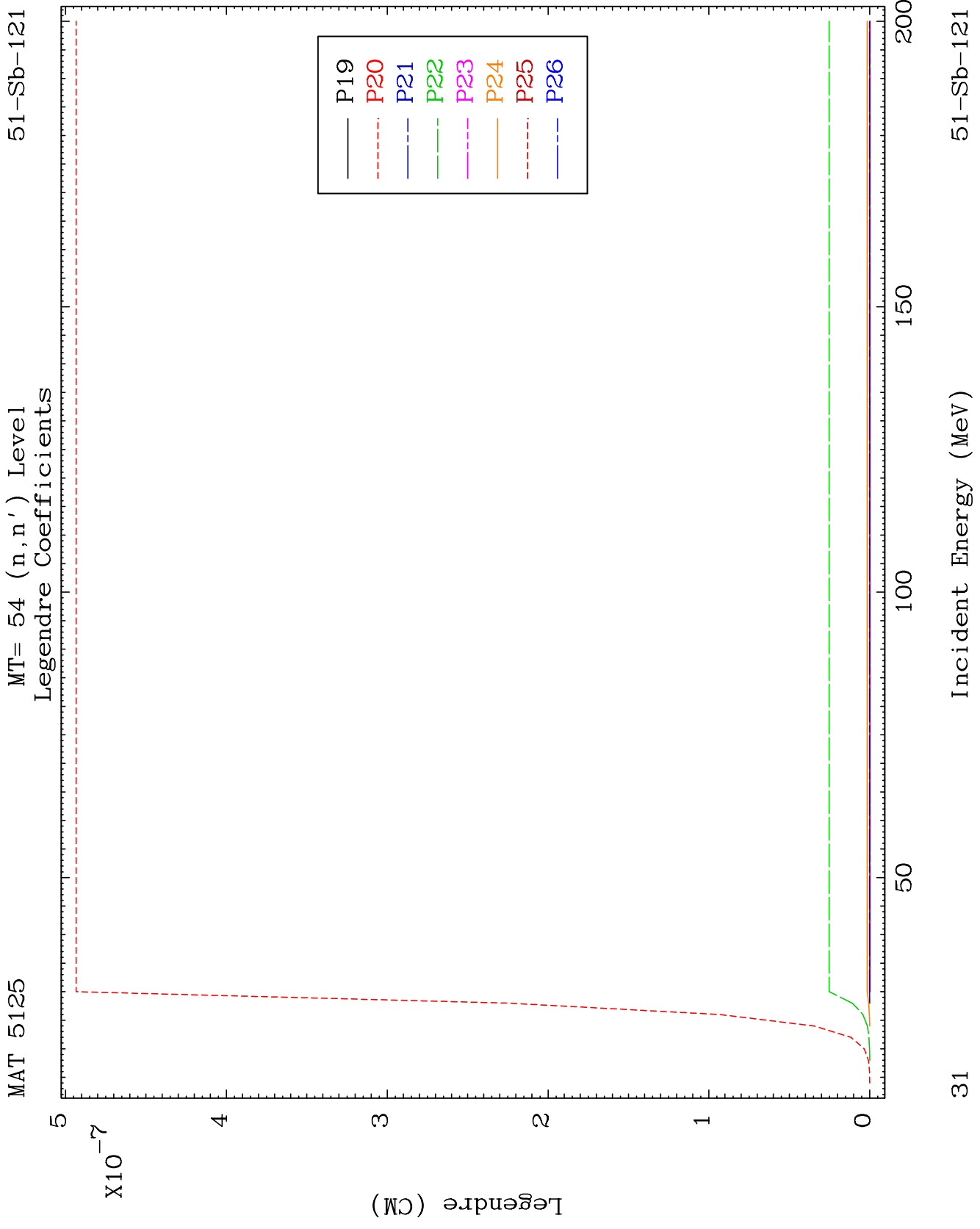
51-Sb-121

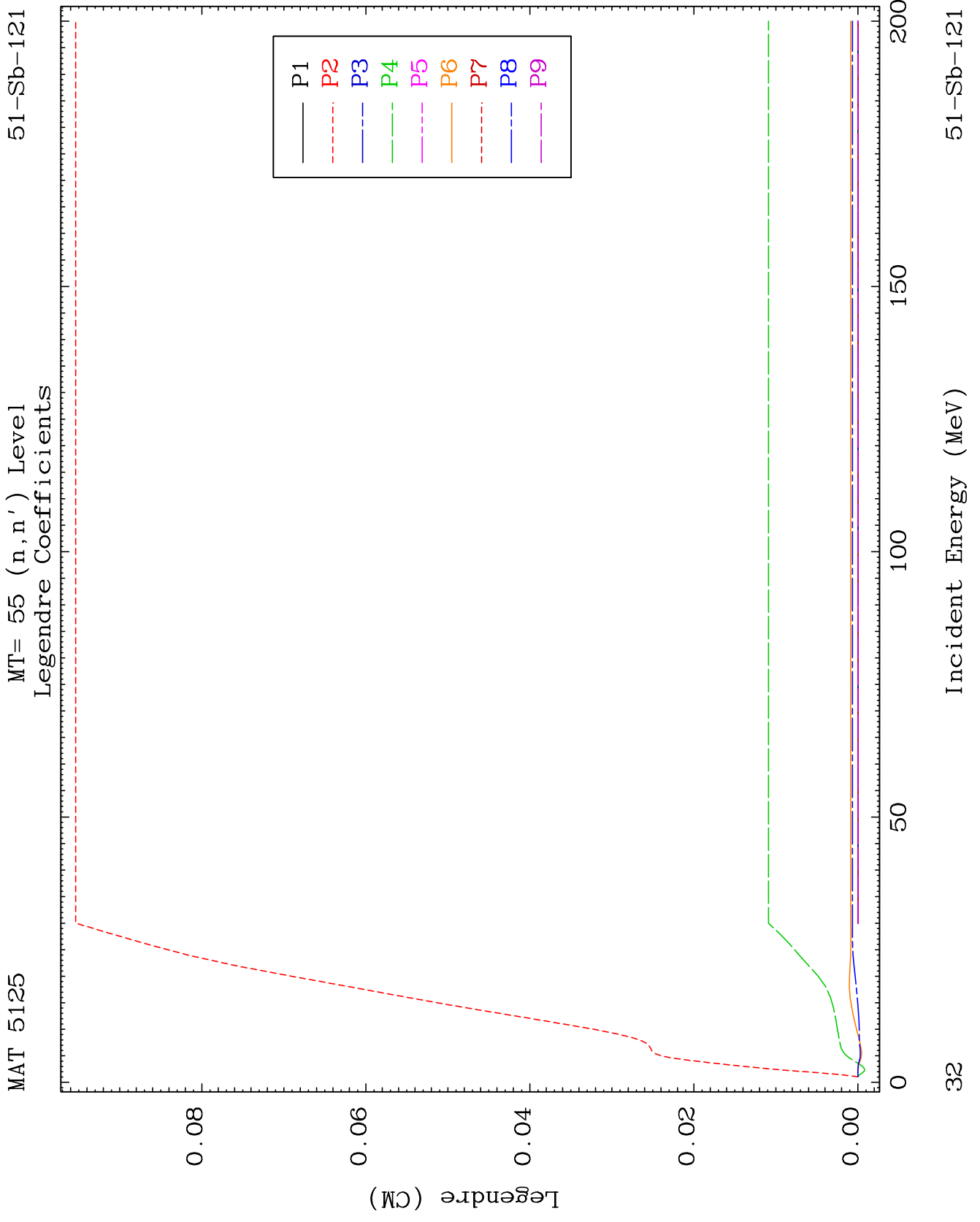


51-Sb-121

Incident Energy (MeV)

29

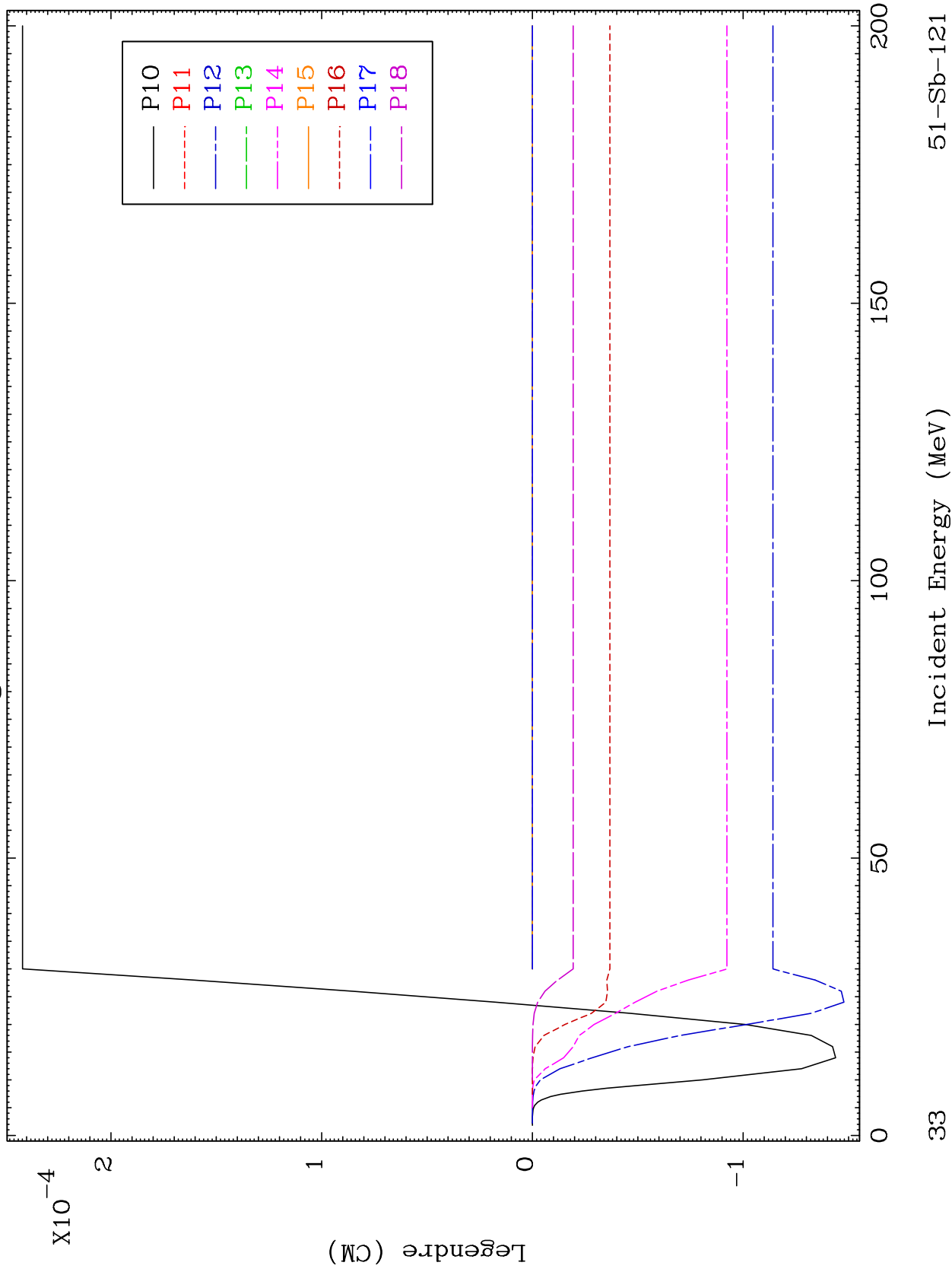




MAT 5125

MT= 55 (n,n') Level
Legendre Coefficients

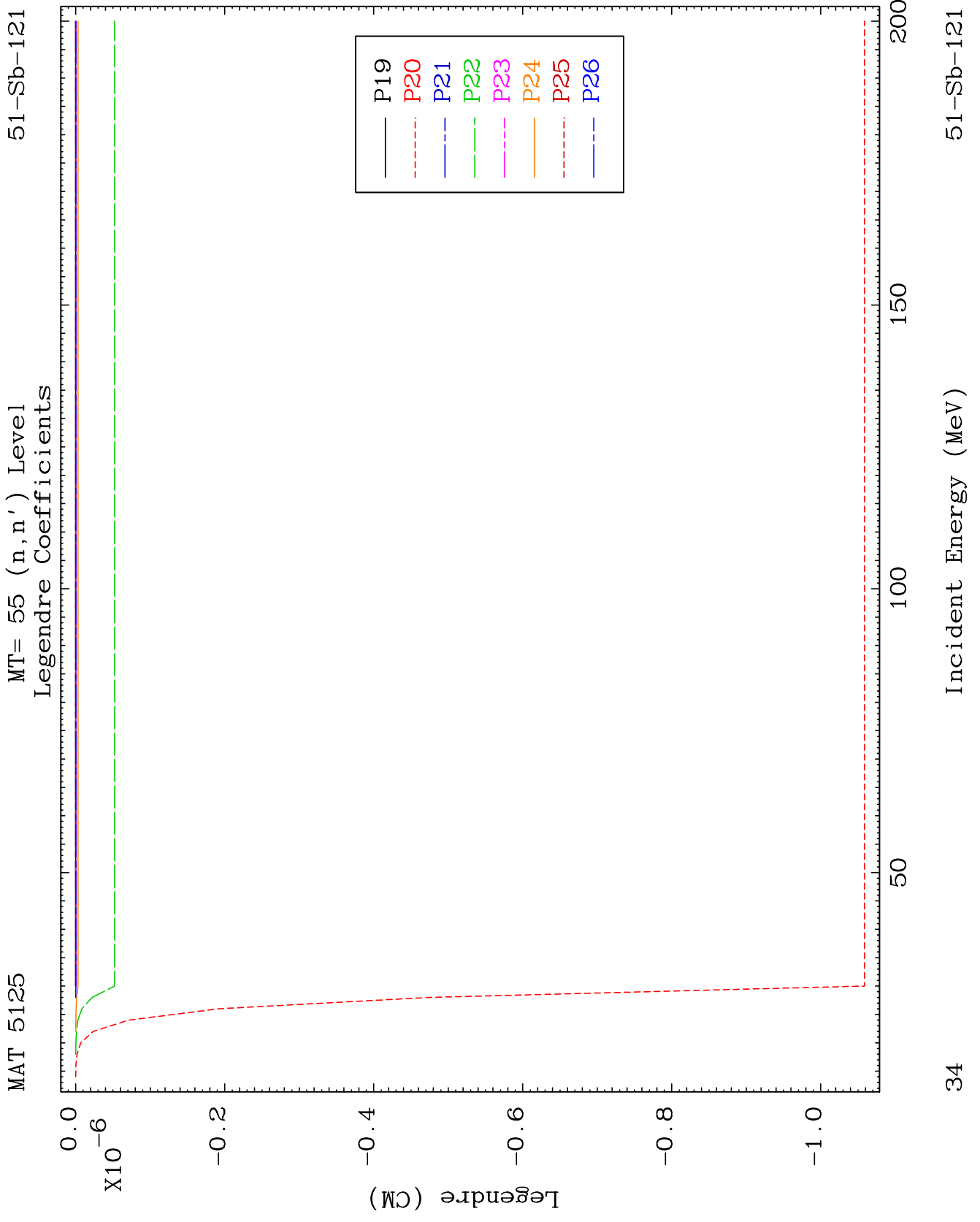
51-Sb-121



51-Sb-121

Incident Energy (MeV)

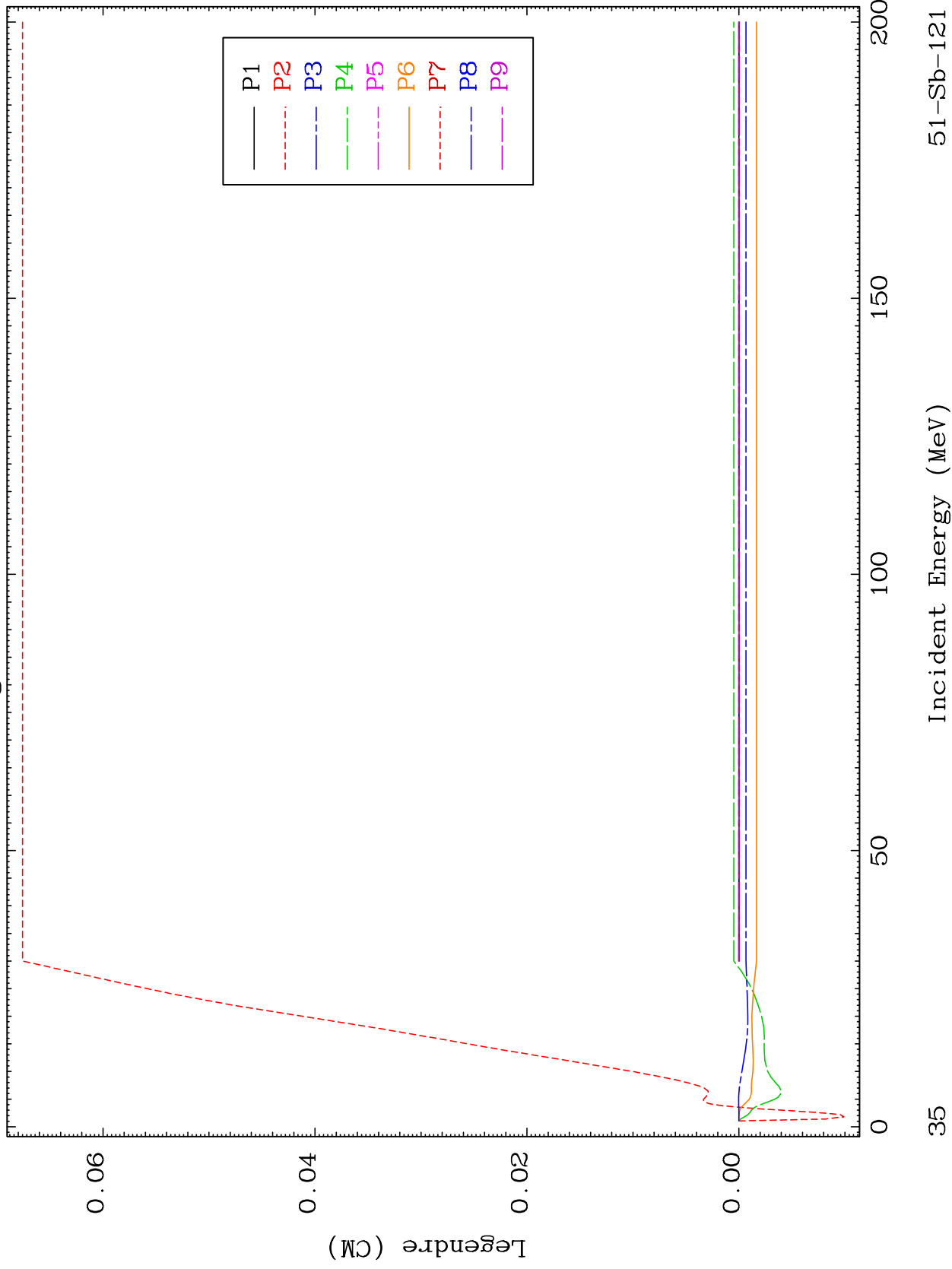
33



MAT 5125

MT= 56 (n,n') Level
Legendre Coefficients

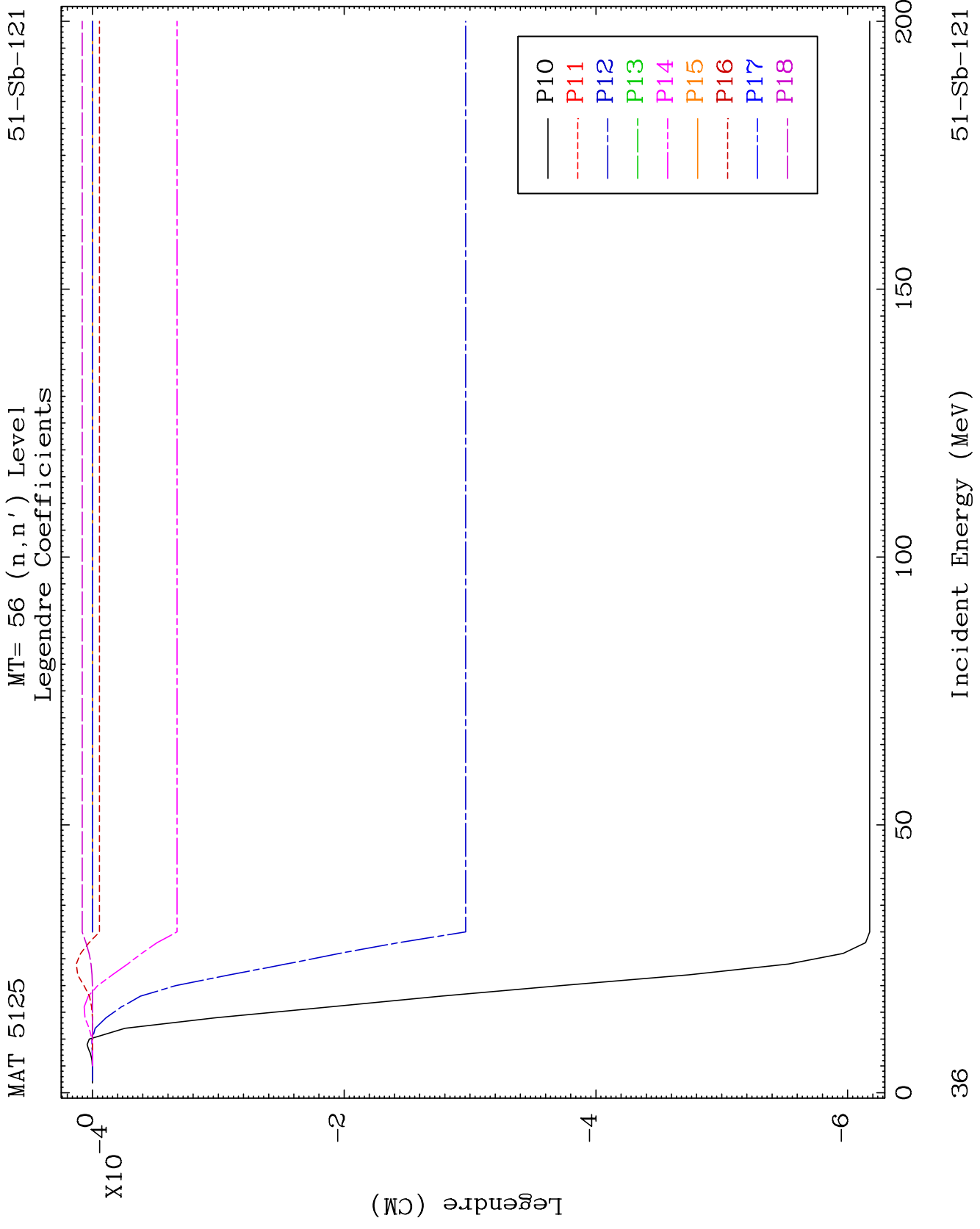
51-Sb-121



51-Sb-121

Incident Energy (MeV)

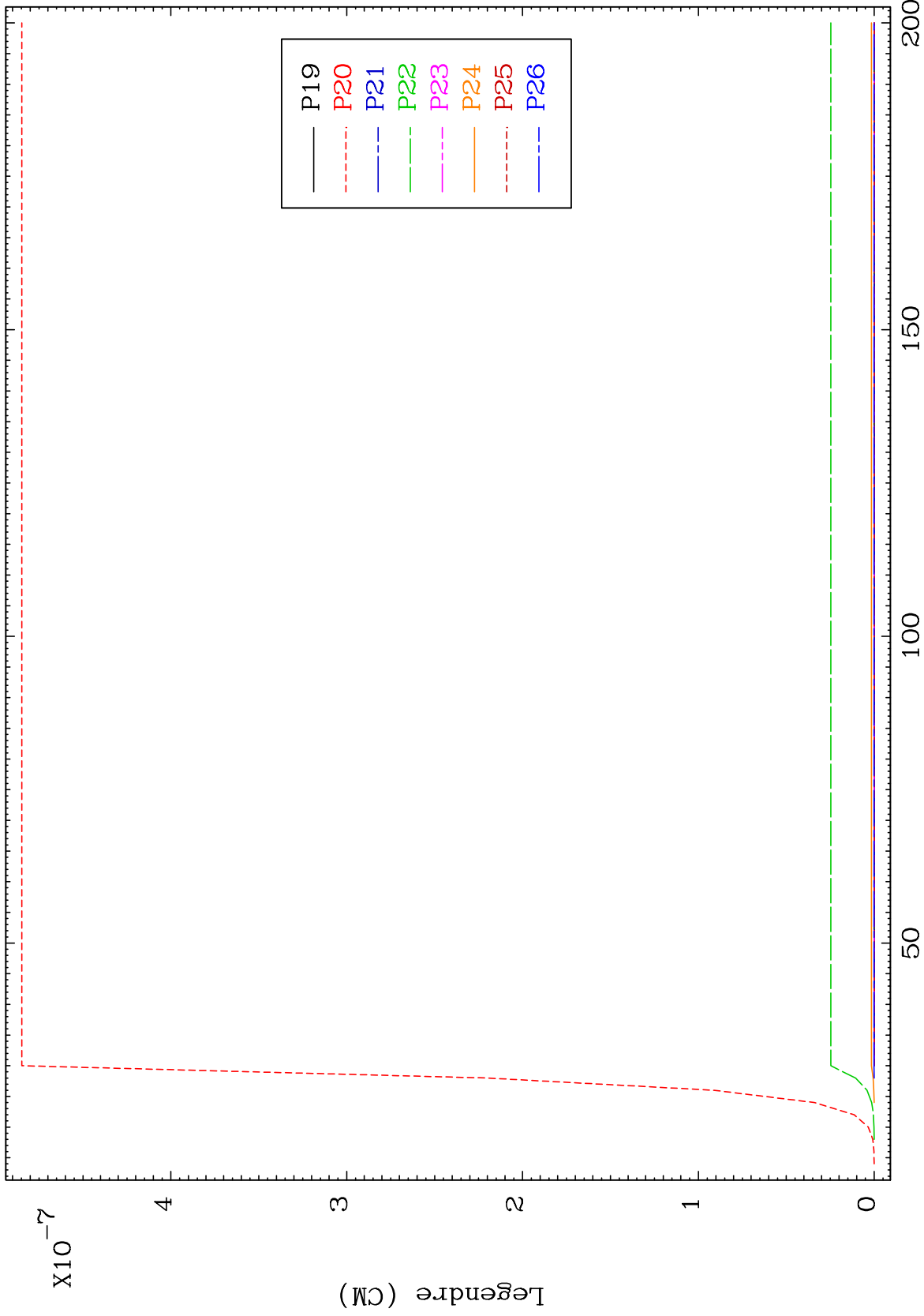
35



MAT 5125

MT= 56 (n,n') Level
Legendre Coefficients

51-Sb-121



37

Incident Energy (MeV)

51-Sb-121

200

150

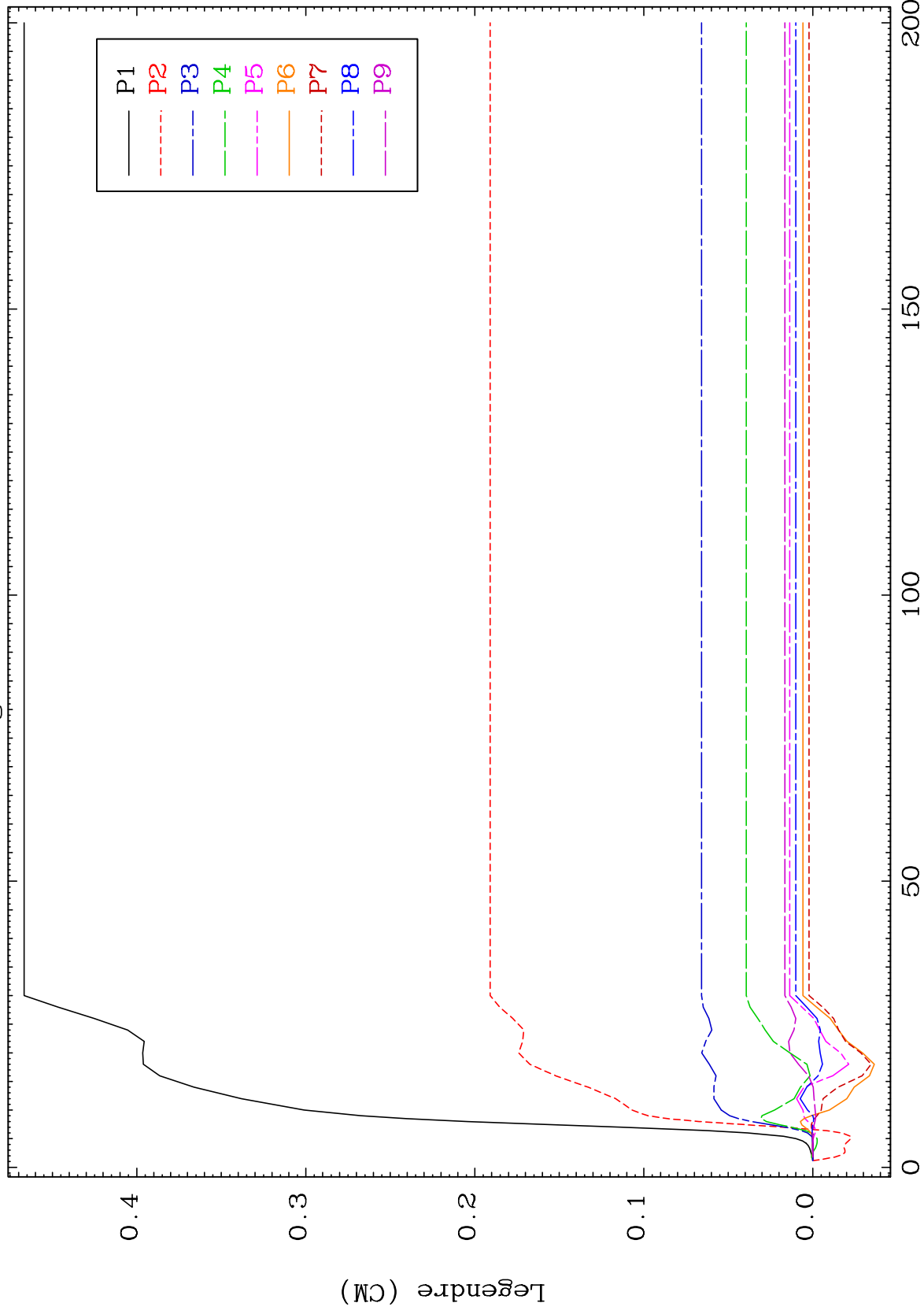
100

50

MAT 5125

MT= 57 (n,n') Level
Legendre Coefficients

51-Sb-121



38

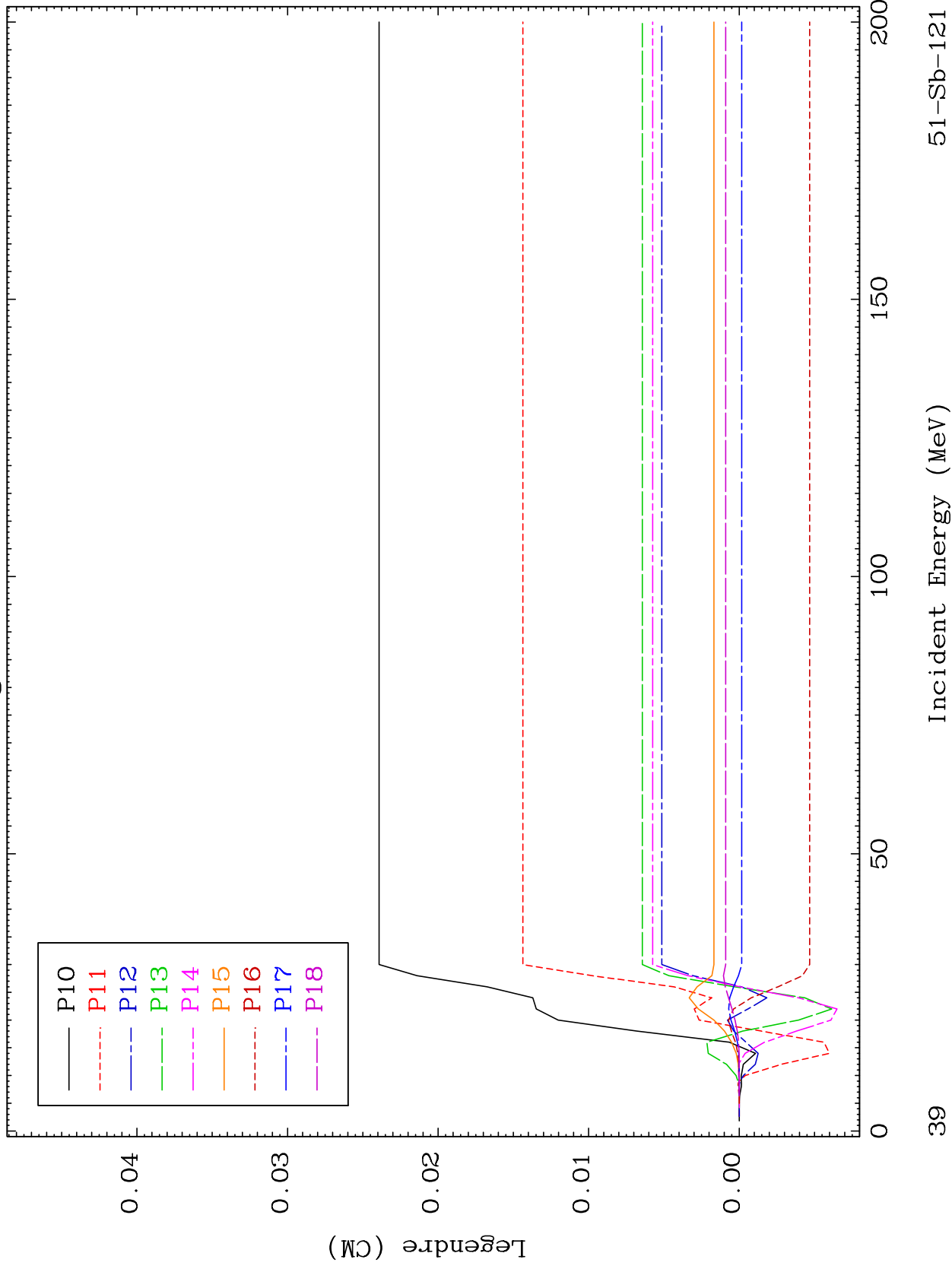
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 57 (n,n') Level
Legendre Coefficients

51-Sb-121



39

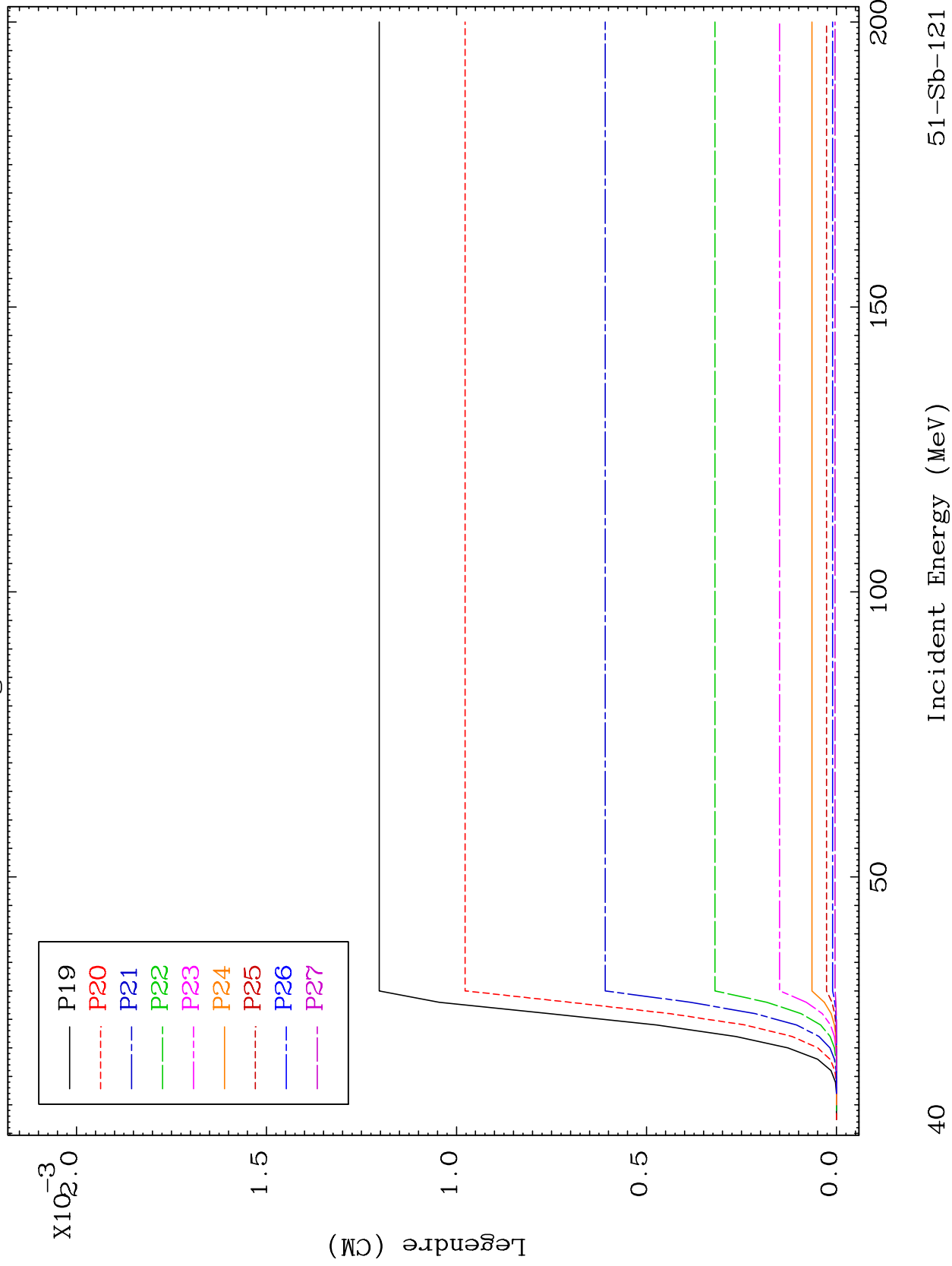
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 57 (n,n') Level
Legendre Coefficients

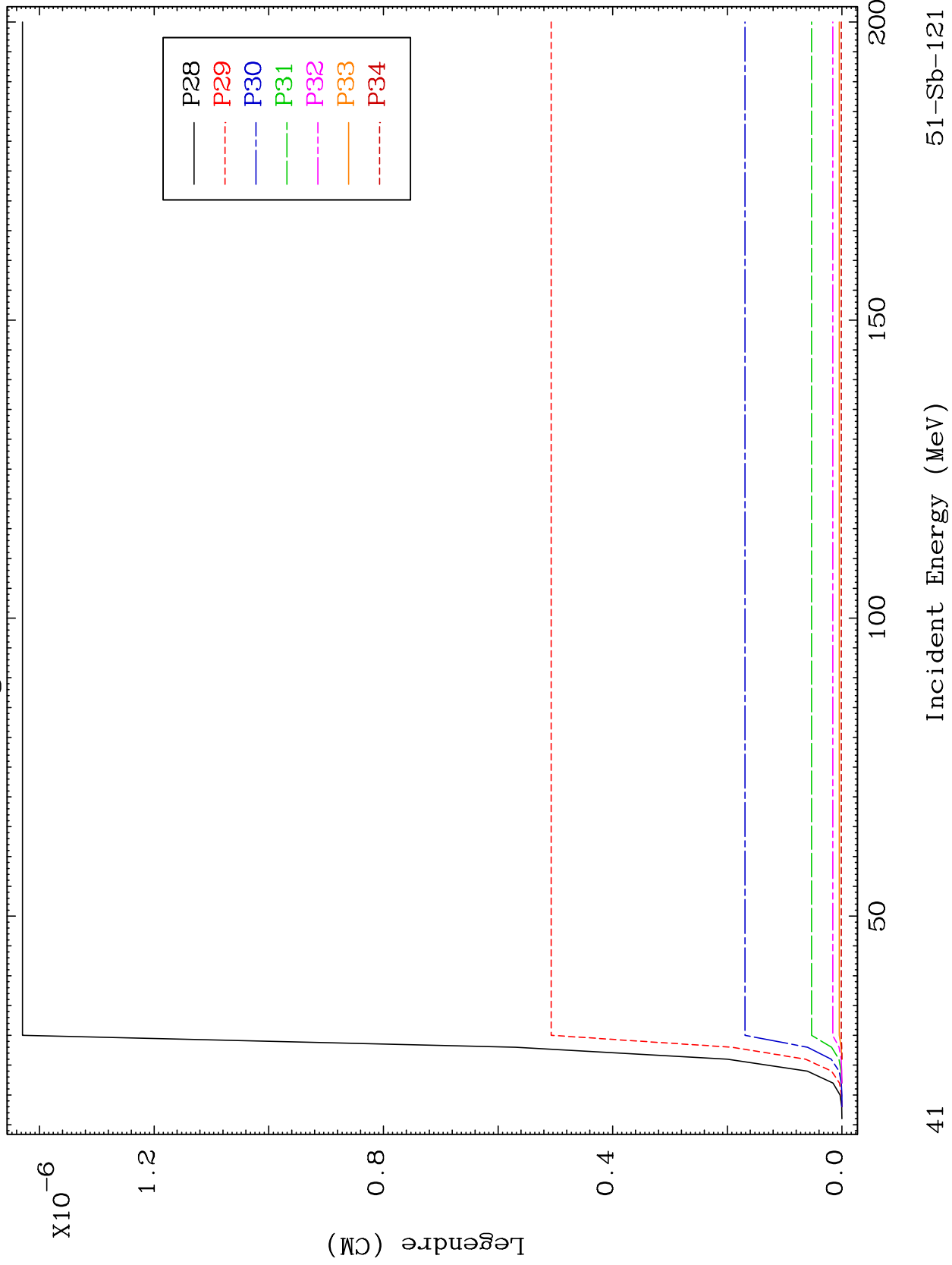
51-Sb-121



MAT 5125

MT= 57 (n,n') Level
Legendre Coefficients

51-Sb-121



41

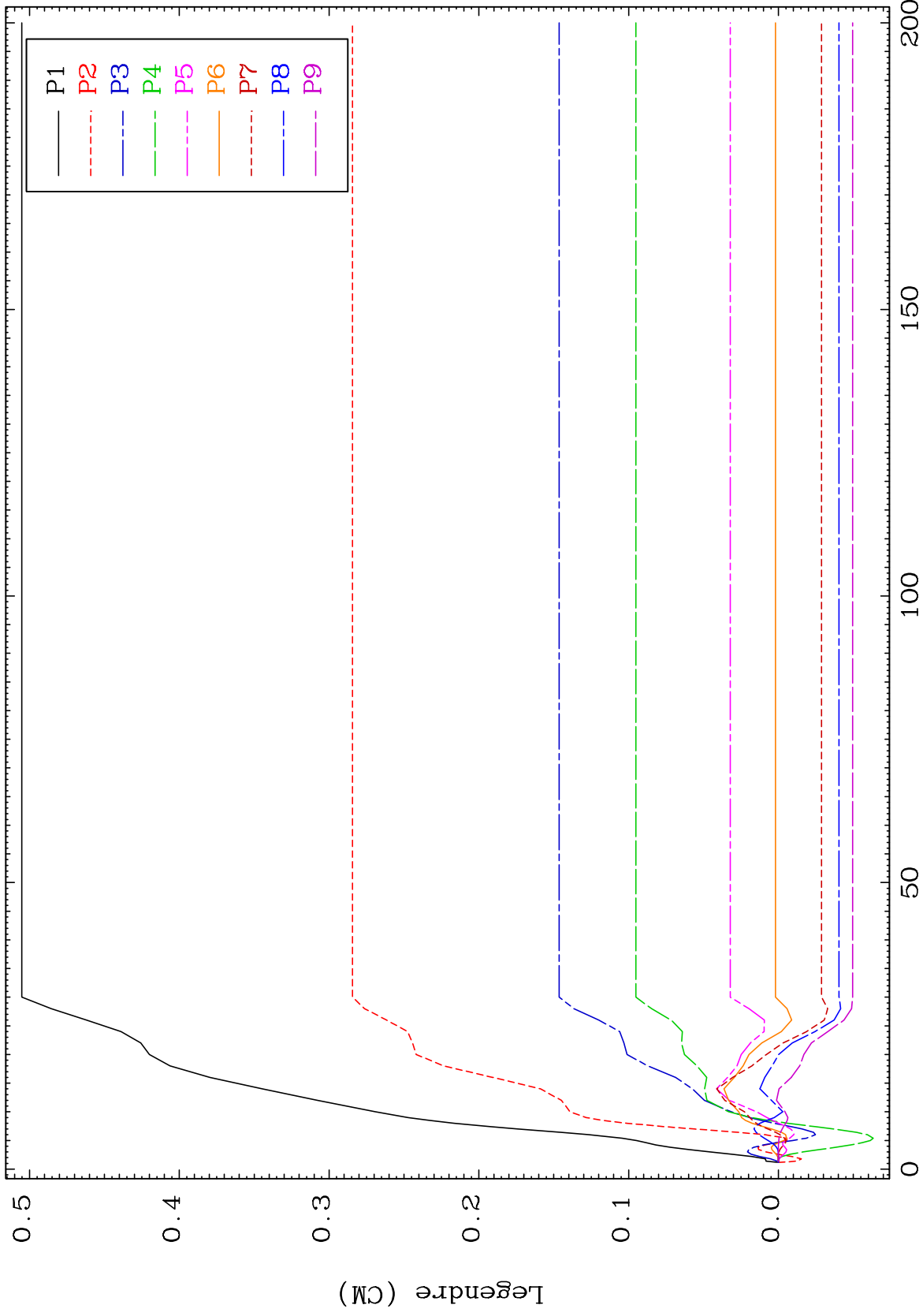
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 58 (n,n') Level
Legendre Coefficients

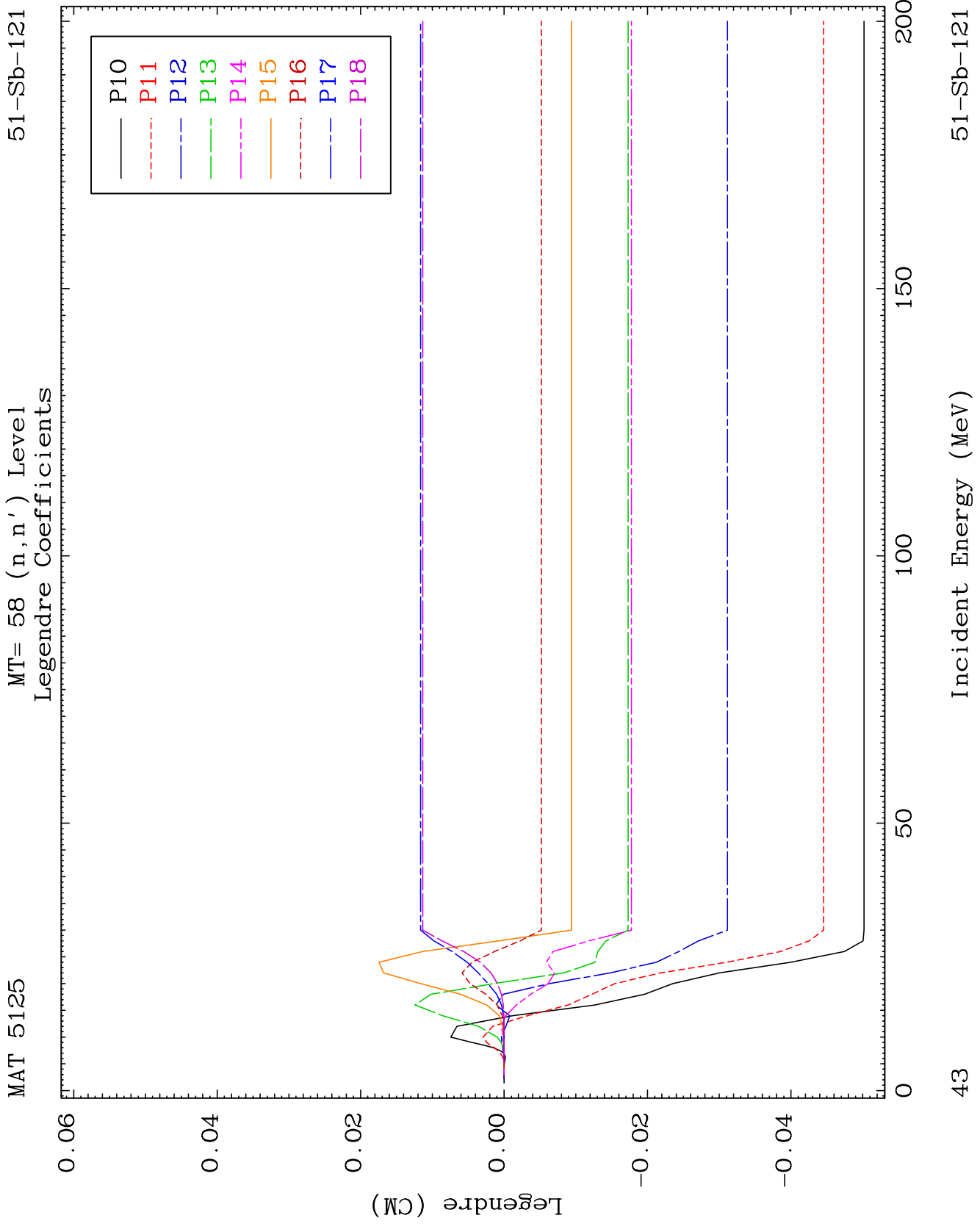
51-Sb-121



42

Incident Energy (MeV)

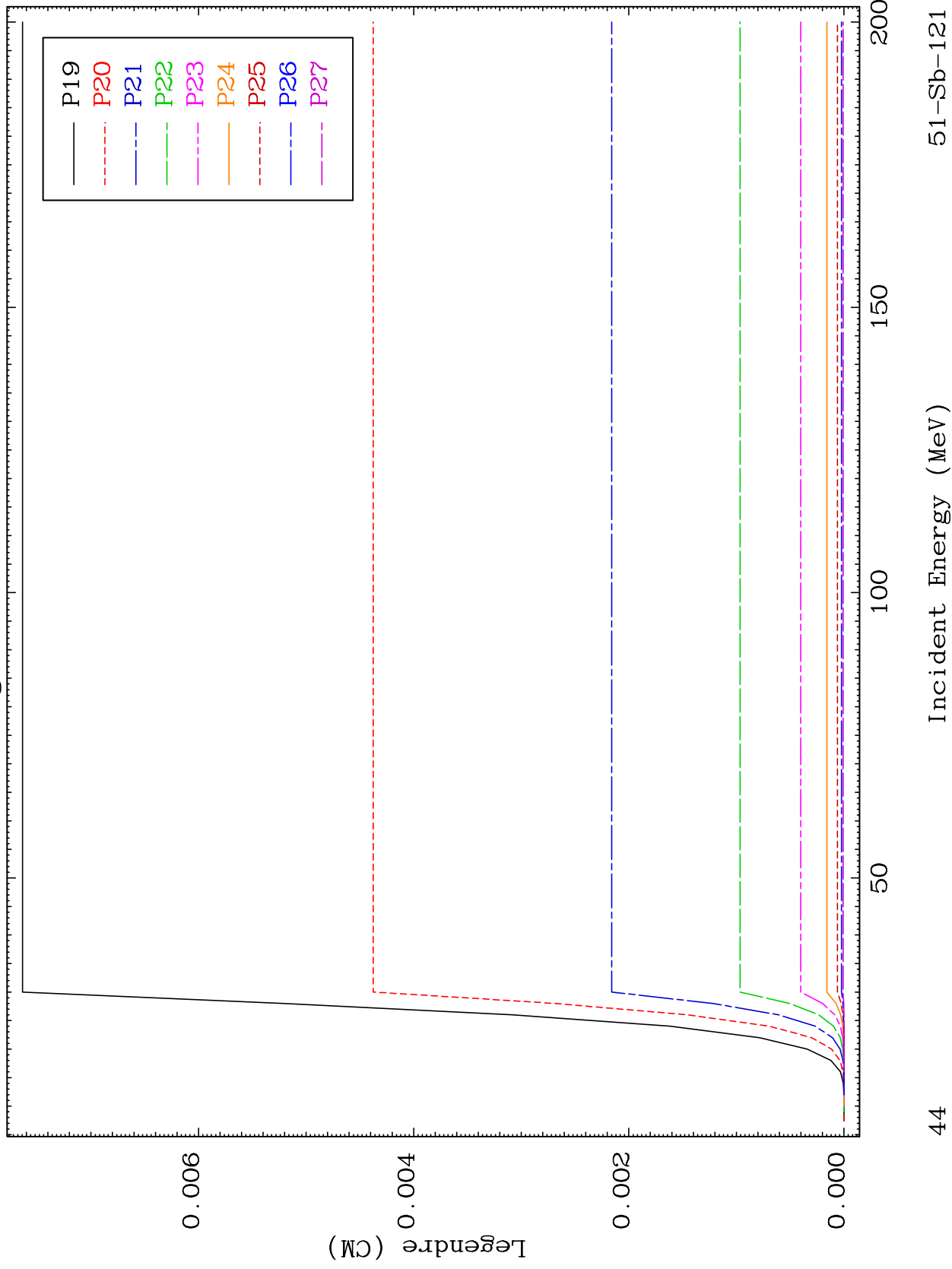
51-Sb-121



MAT 5125

MT= 58 (n,n') Level
Legendre Coefficients

51-Sb-121



44

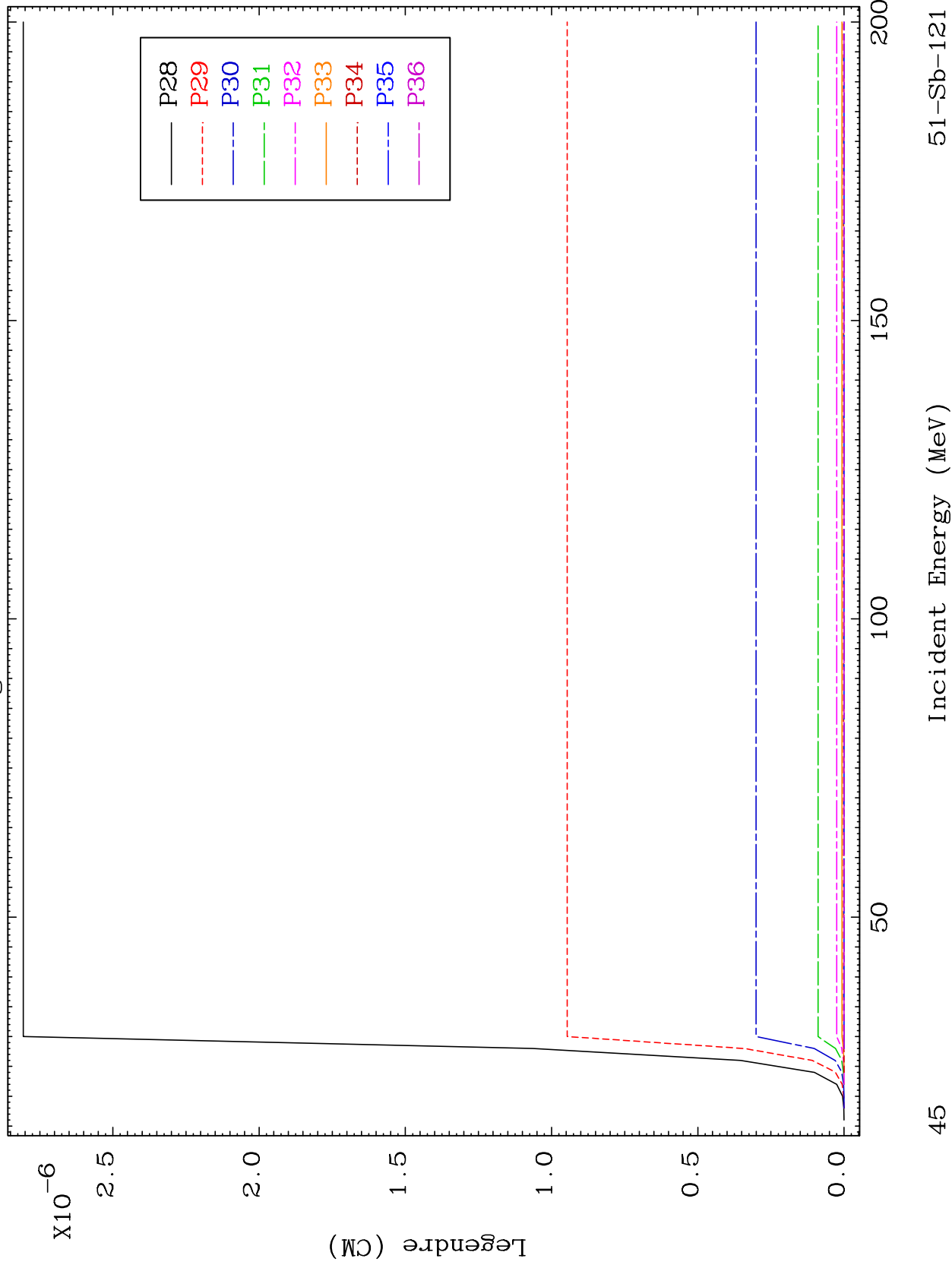
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 58 (n,n') Level
Legendre Coefficients

51-Sb-121



45

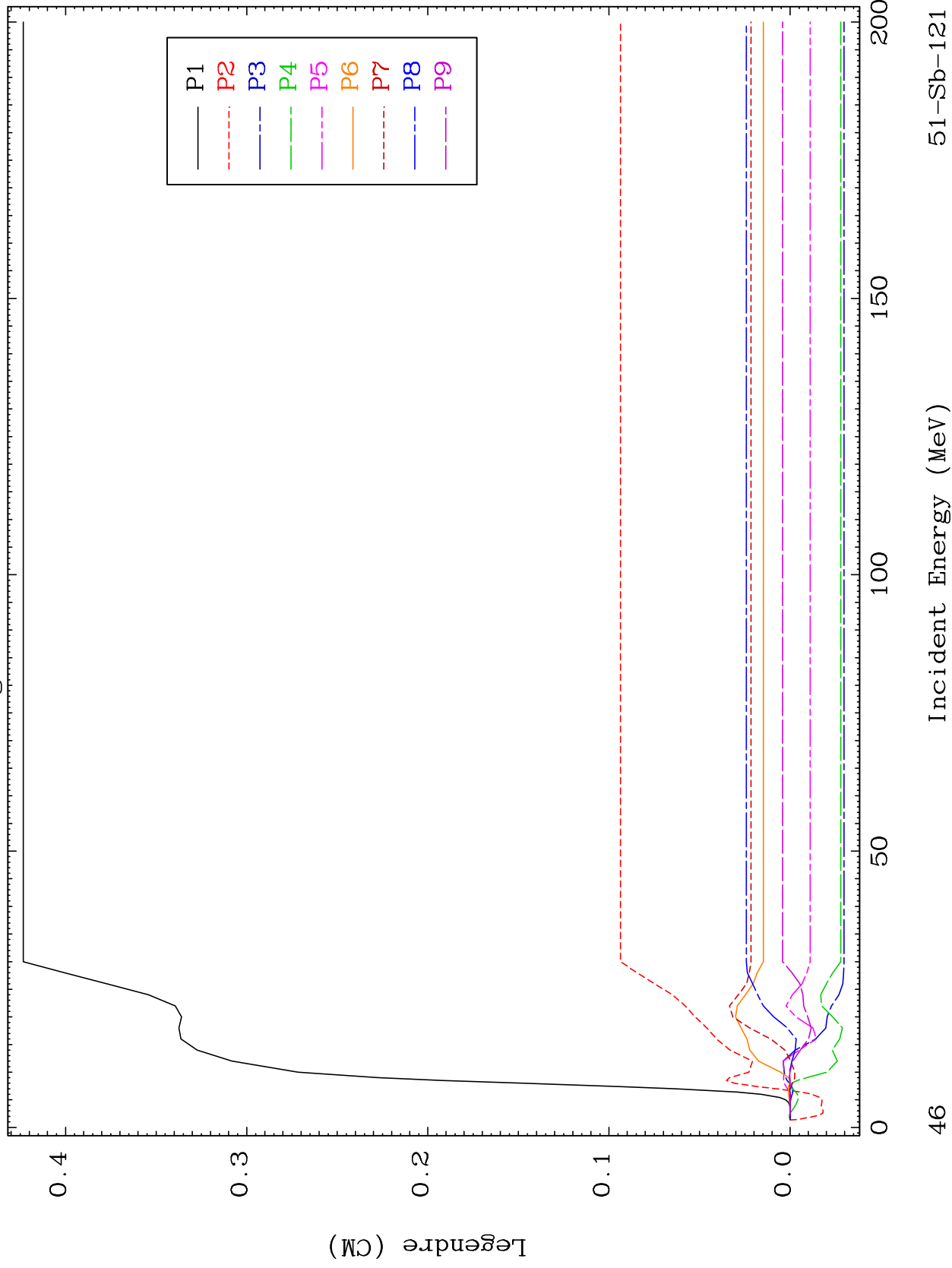
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 59 (n,n') Level
Legendre Coefficients

51-Sb-121



51-Sb-121

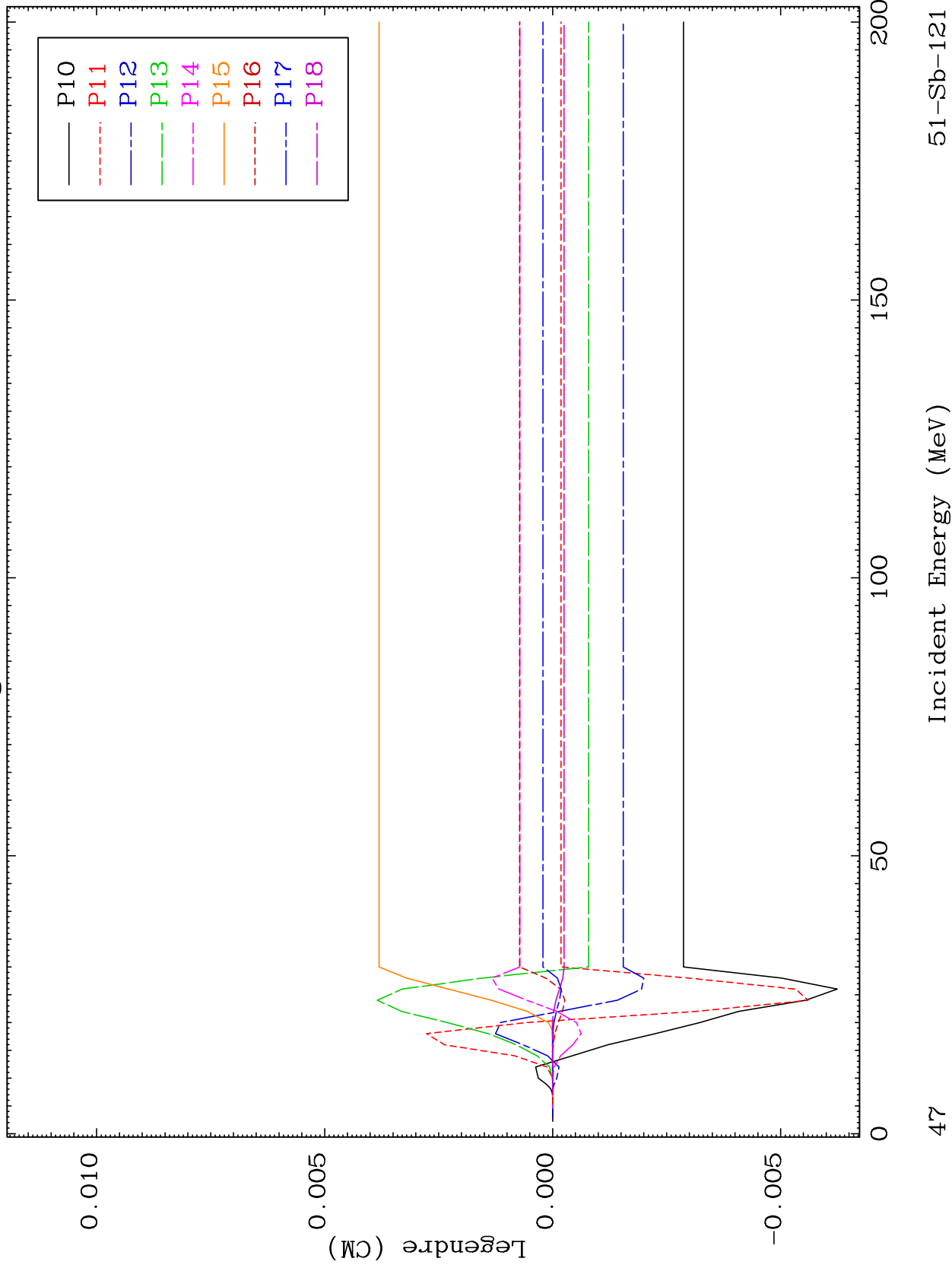
Incident Energy (MeV)

46

MAT 5125

MT= 59 (n,n') Level
Legendre Coefficients

51-Sb-121



47

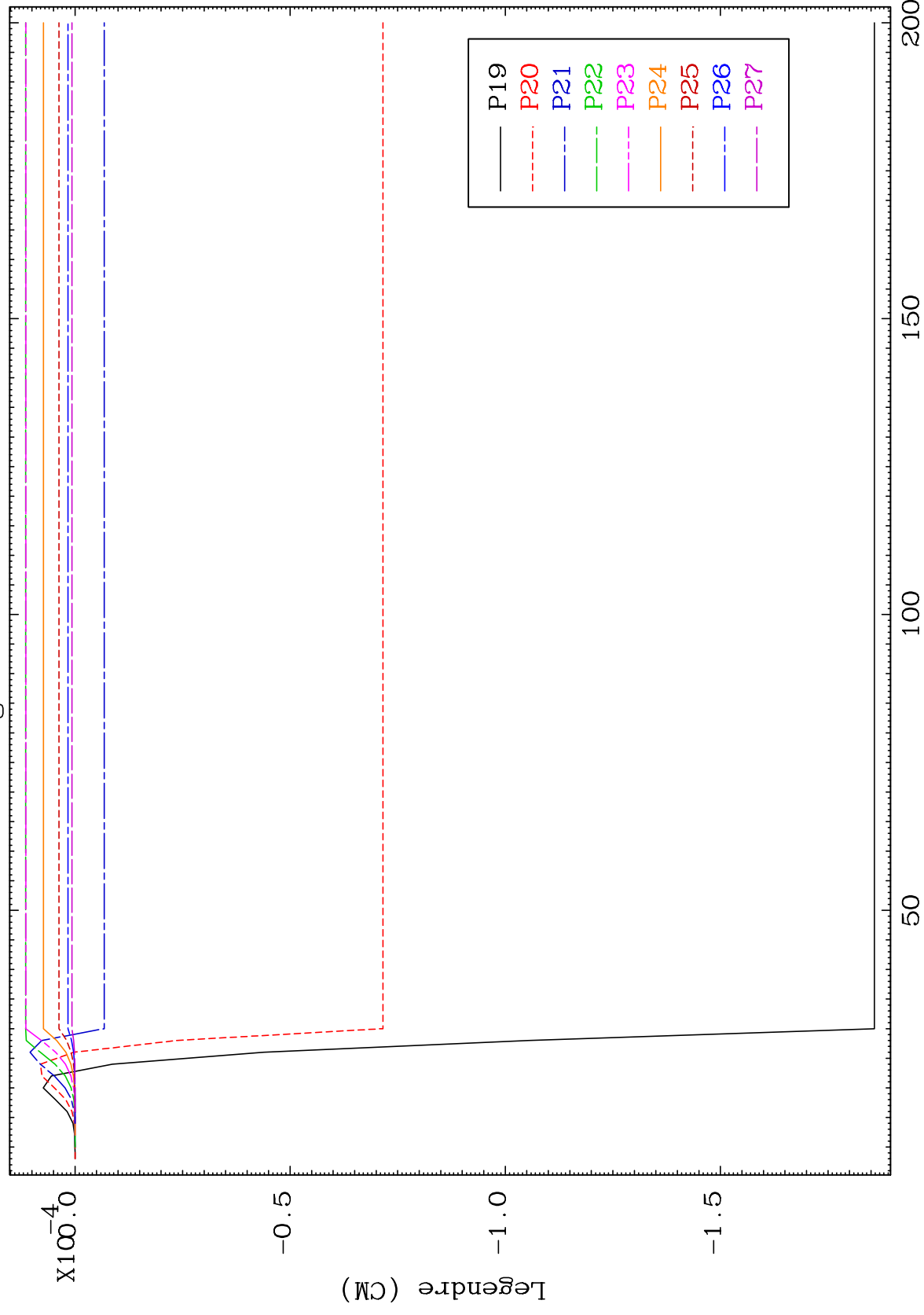
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 59 (n,n') Level
Legendre Coefficients

51-Sb-121



48

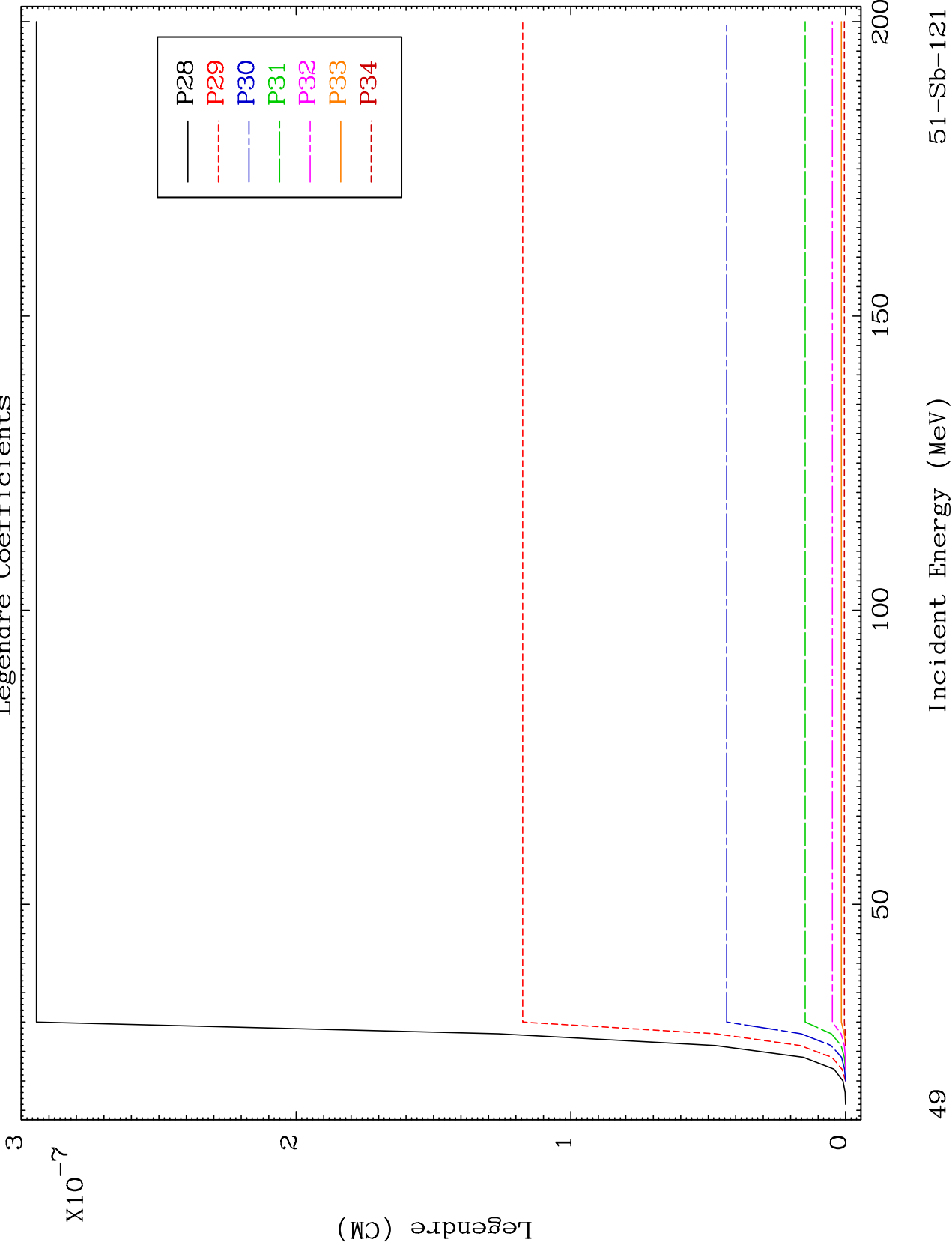
Incident Energy (MeV)

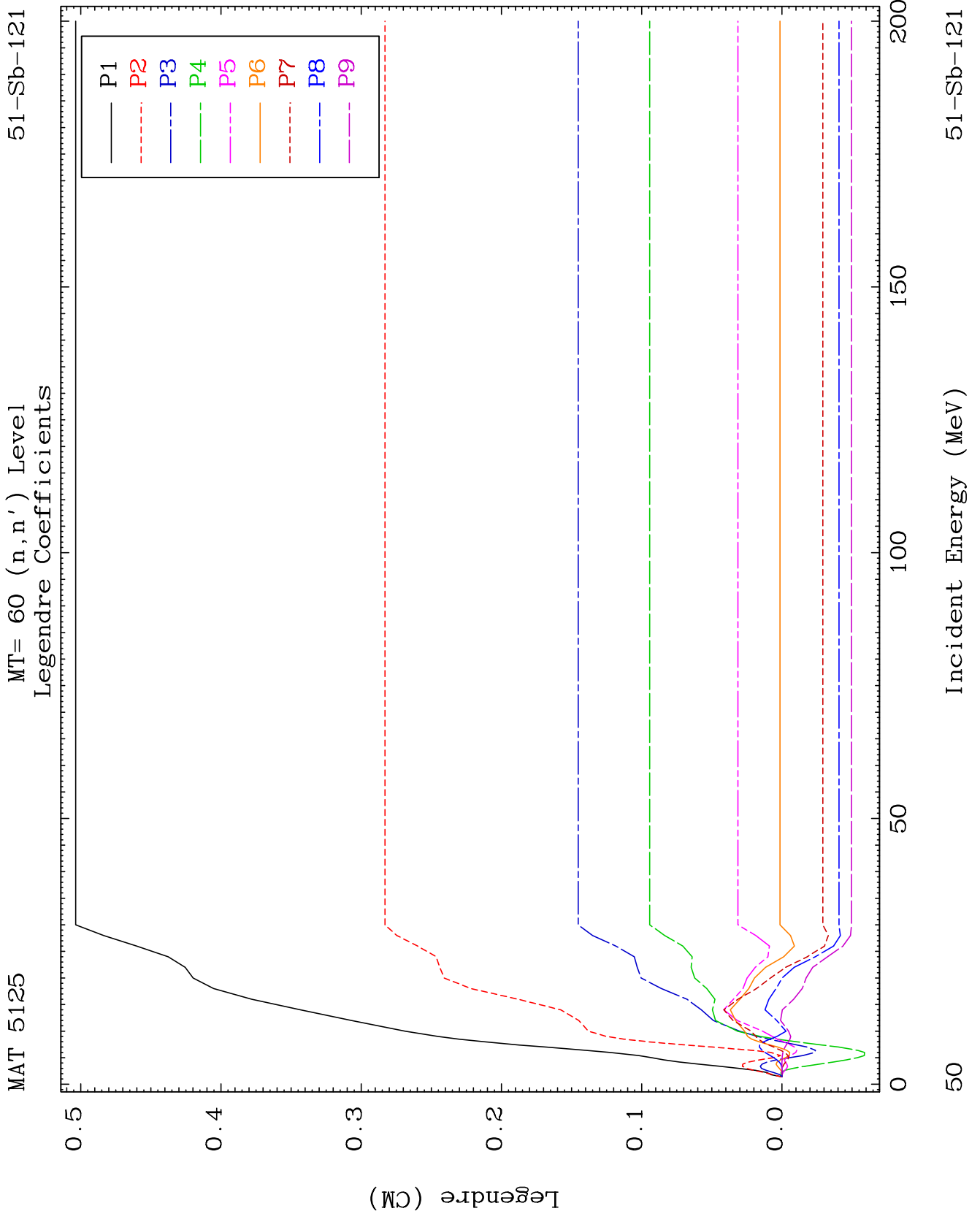
51-Sb-121

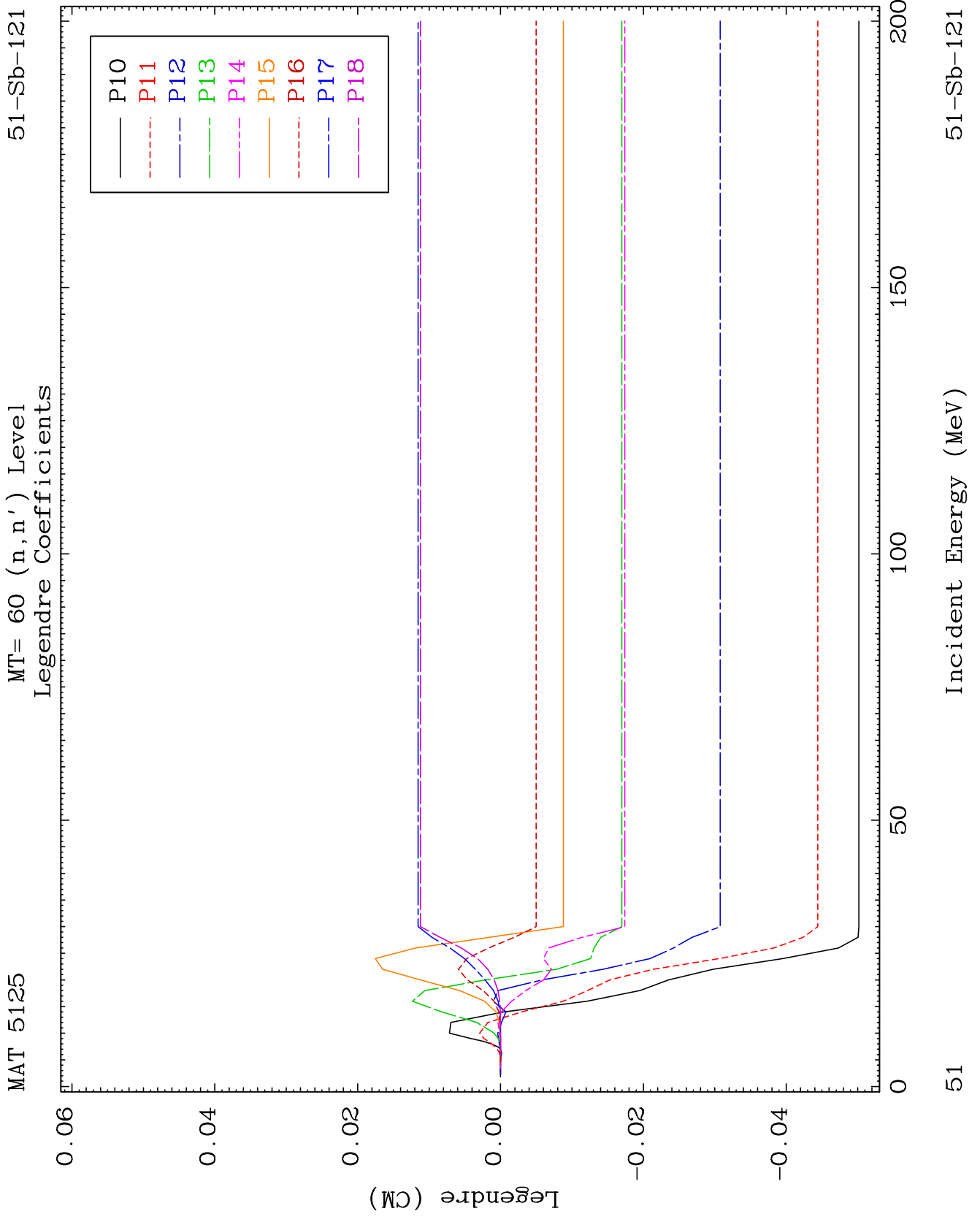
MAT 5125

MT= 59 (n,n') Level
Legendre Coefficients

51-Sb-121



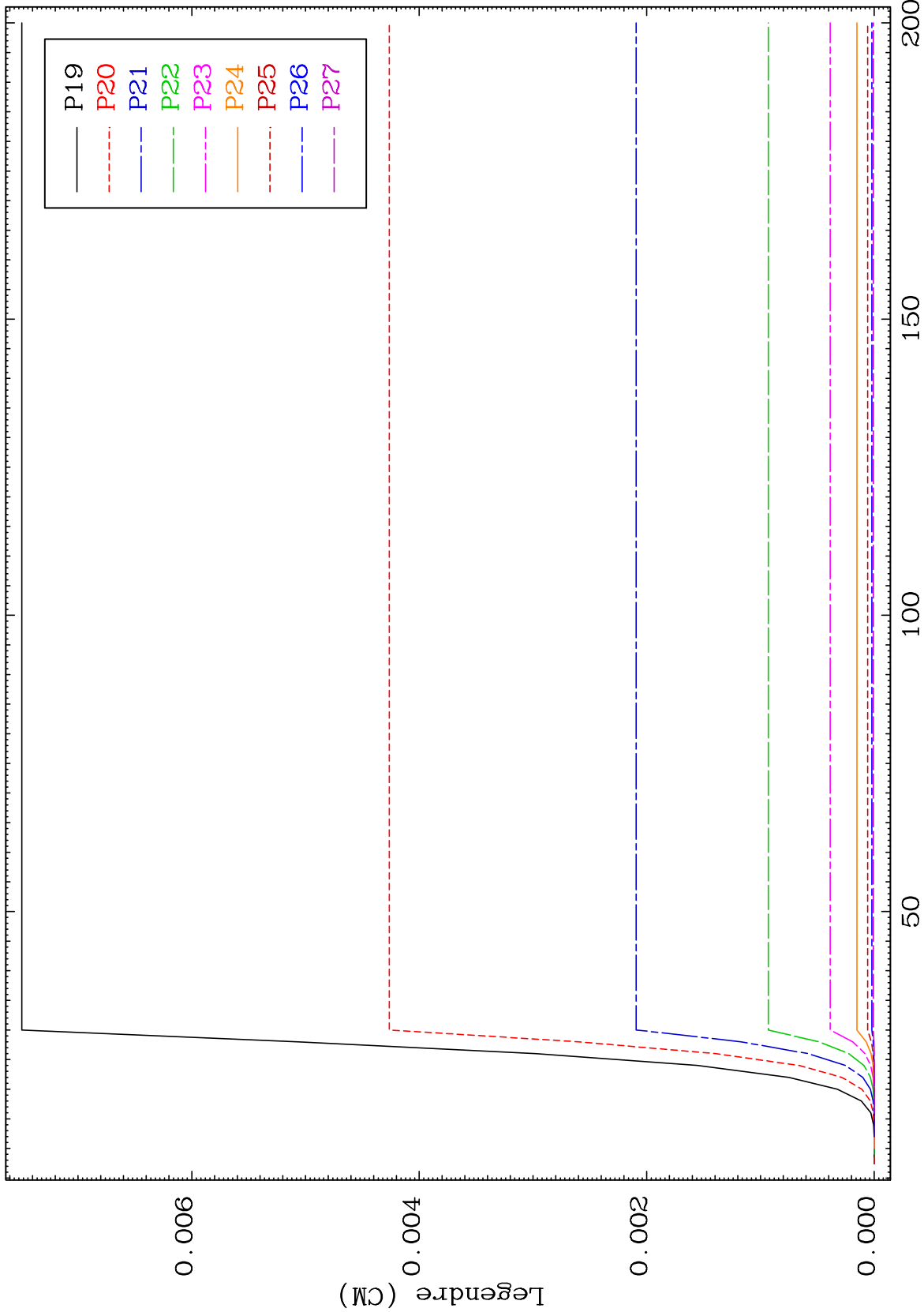




MAT 5125

MT= 60 (n,n') Level
Legendre Coefficients

51-Sb-121



52

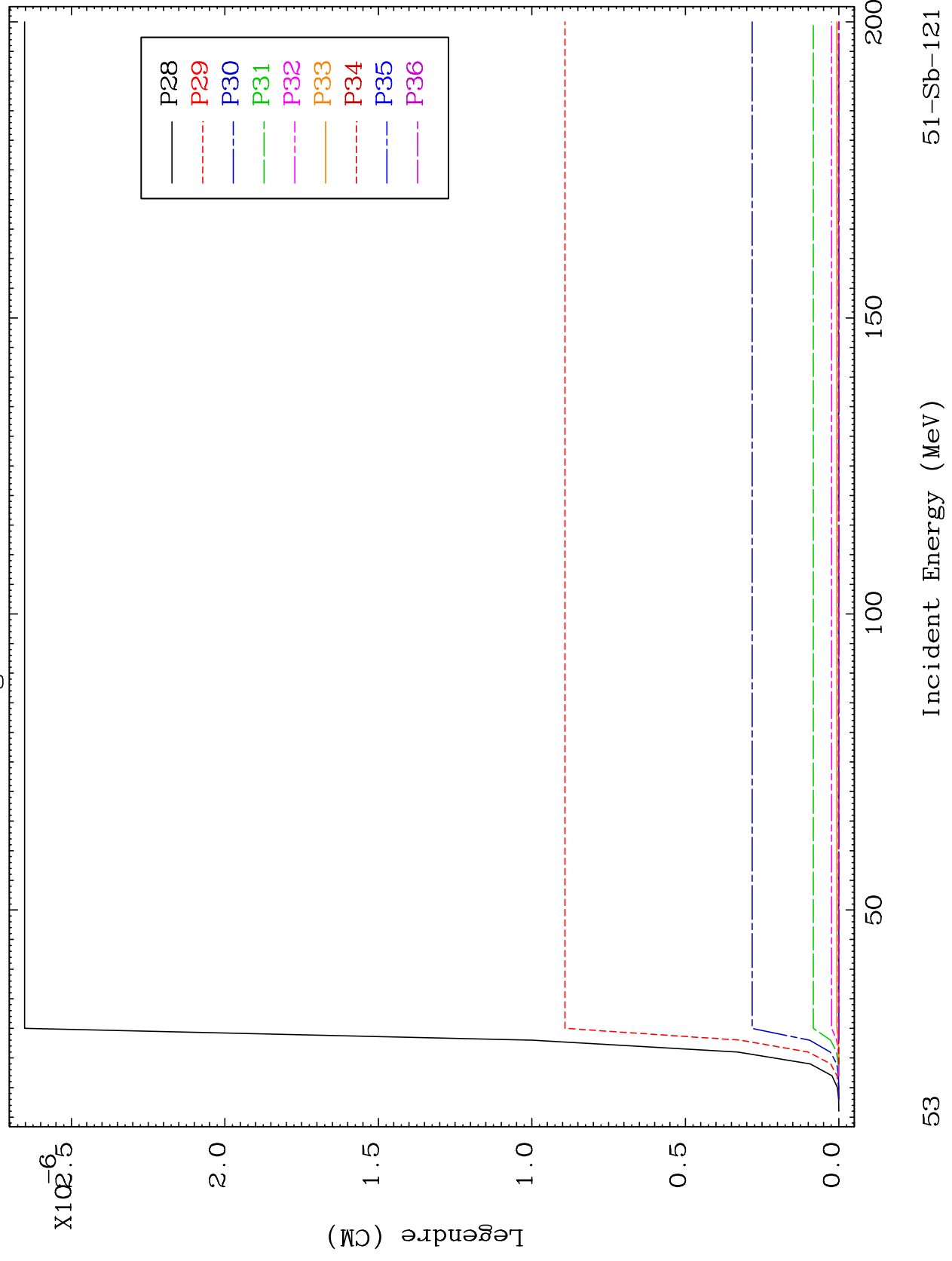
Incident Energy (MeV)

51-Sb-121

MAT 5125

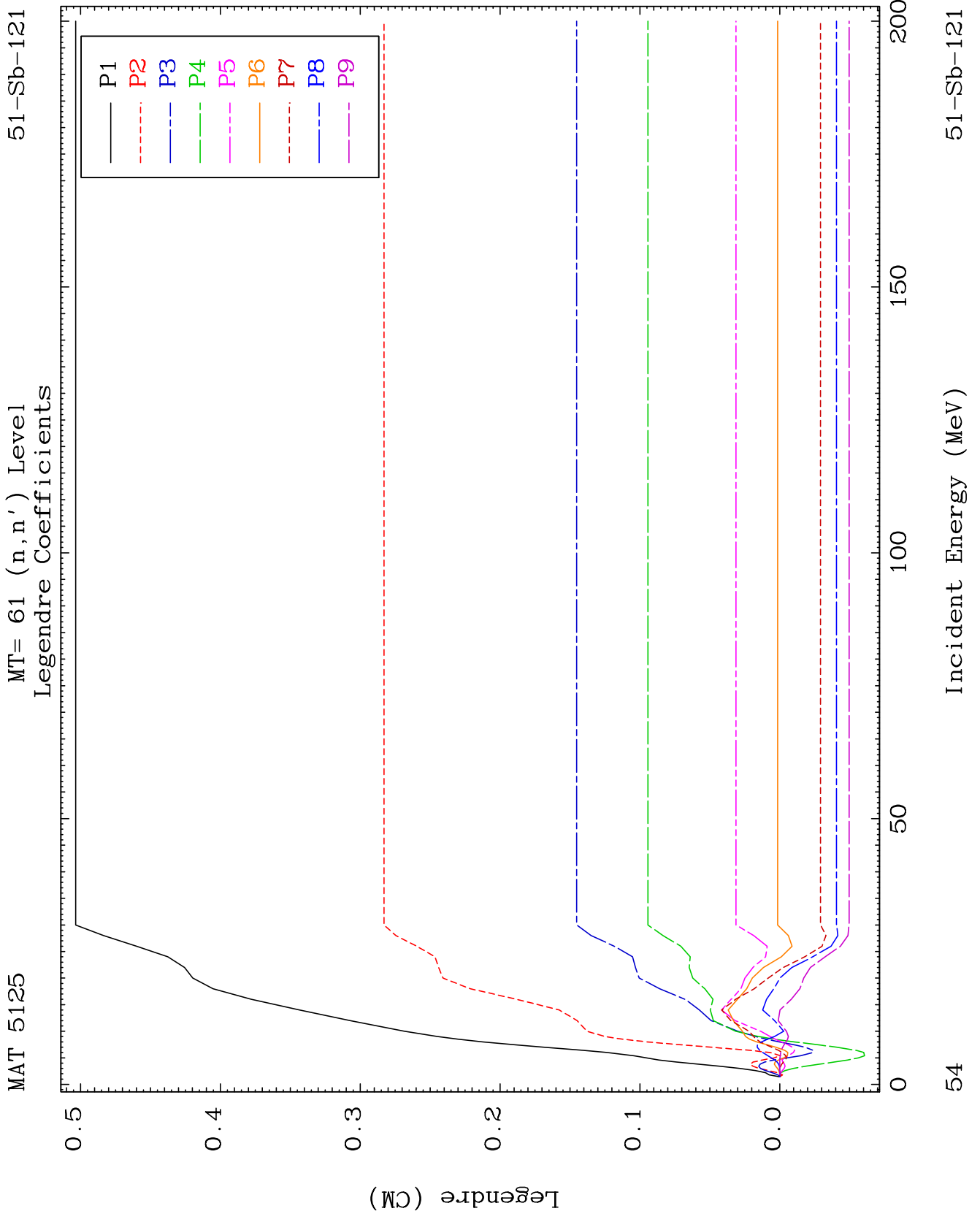
MT= 60 (n,n') Level
Legendre Coefficients

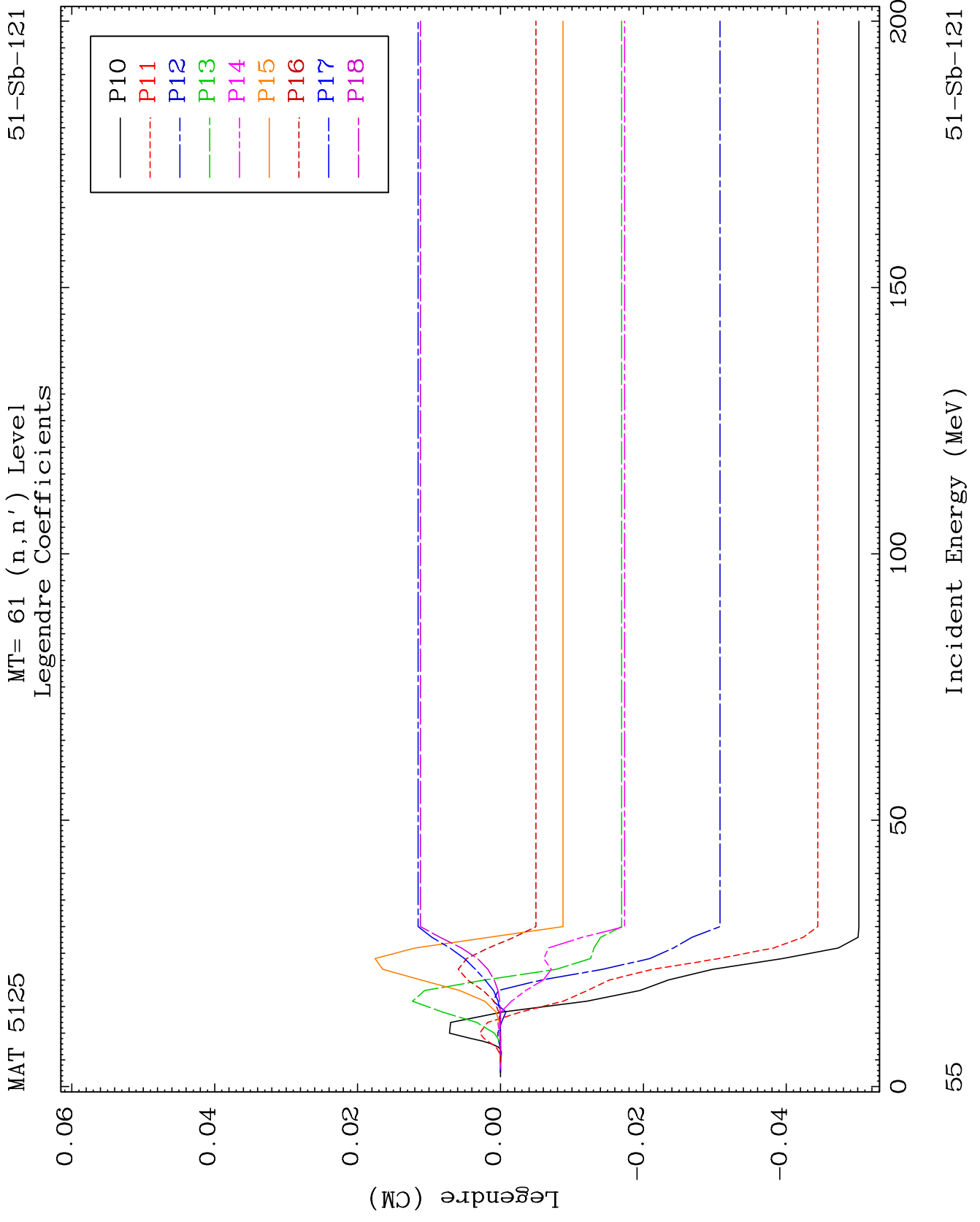
51-Sb-121



53

51-Sb-121

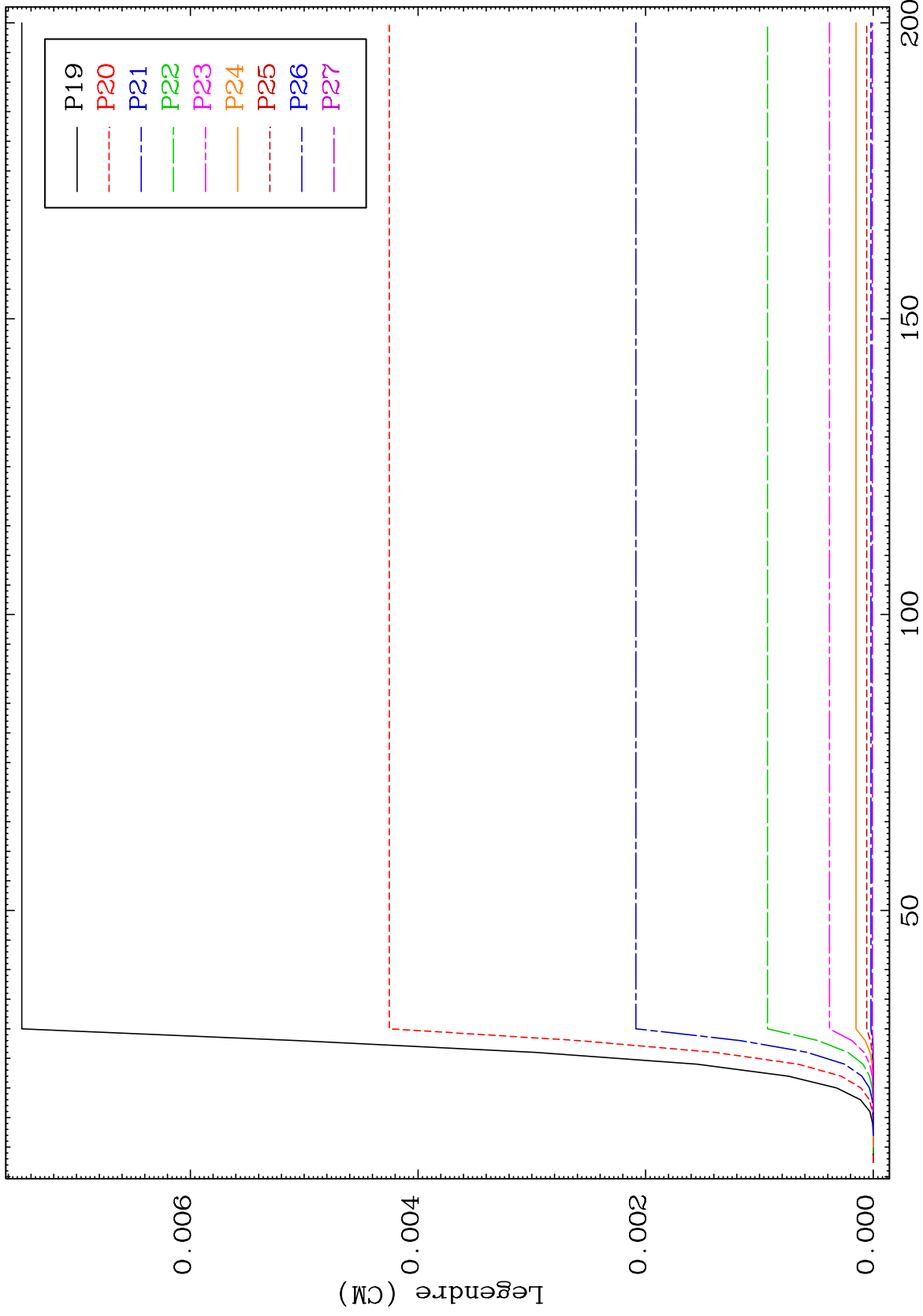




MAT 5125

MT= 61 (n,n') Level
Legendre Coefficients

51-Sb-121



56

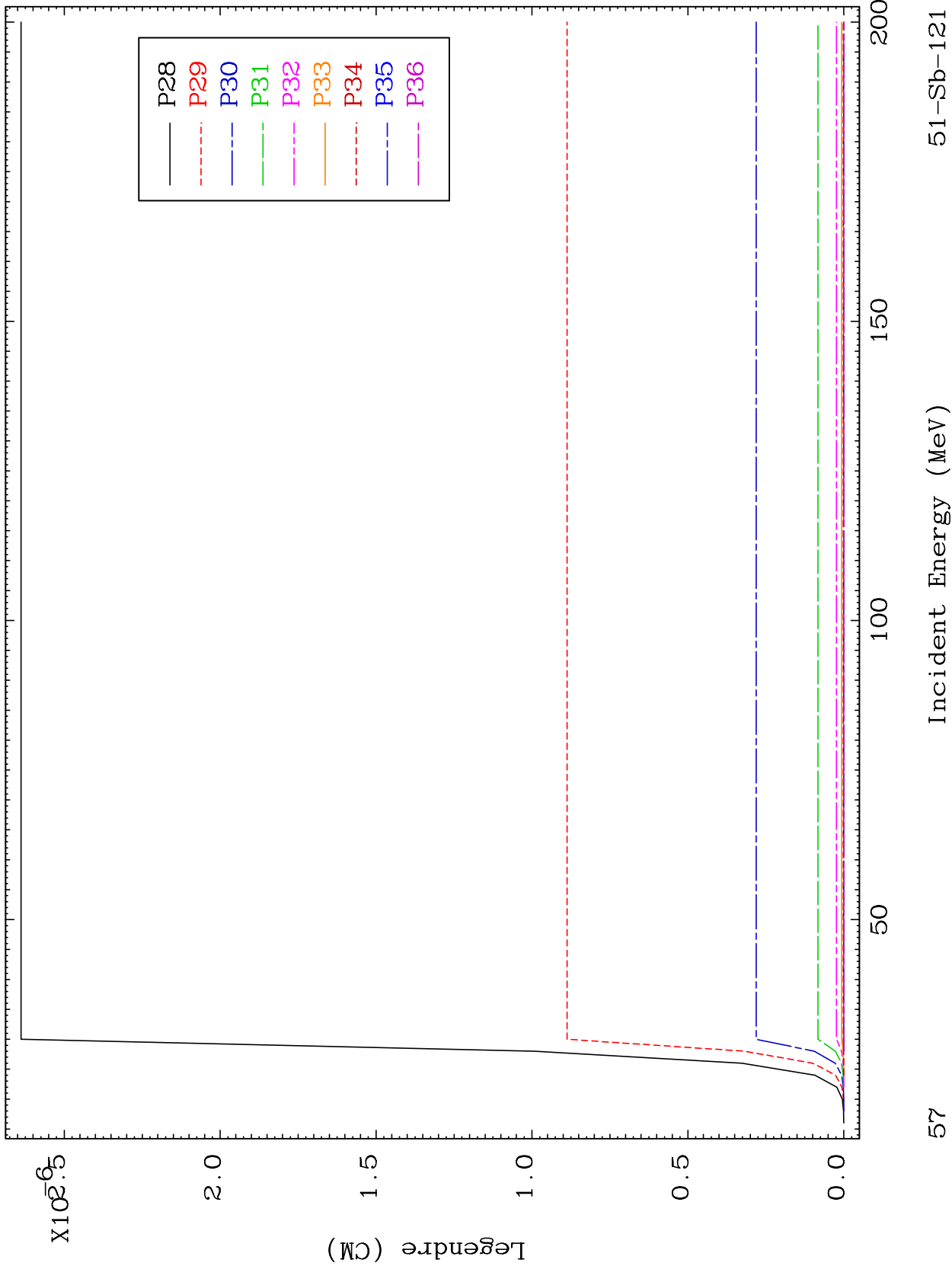
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 61 (n,n') Level
Legendre Coefficients

51-Sb-121



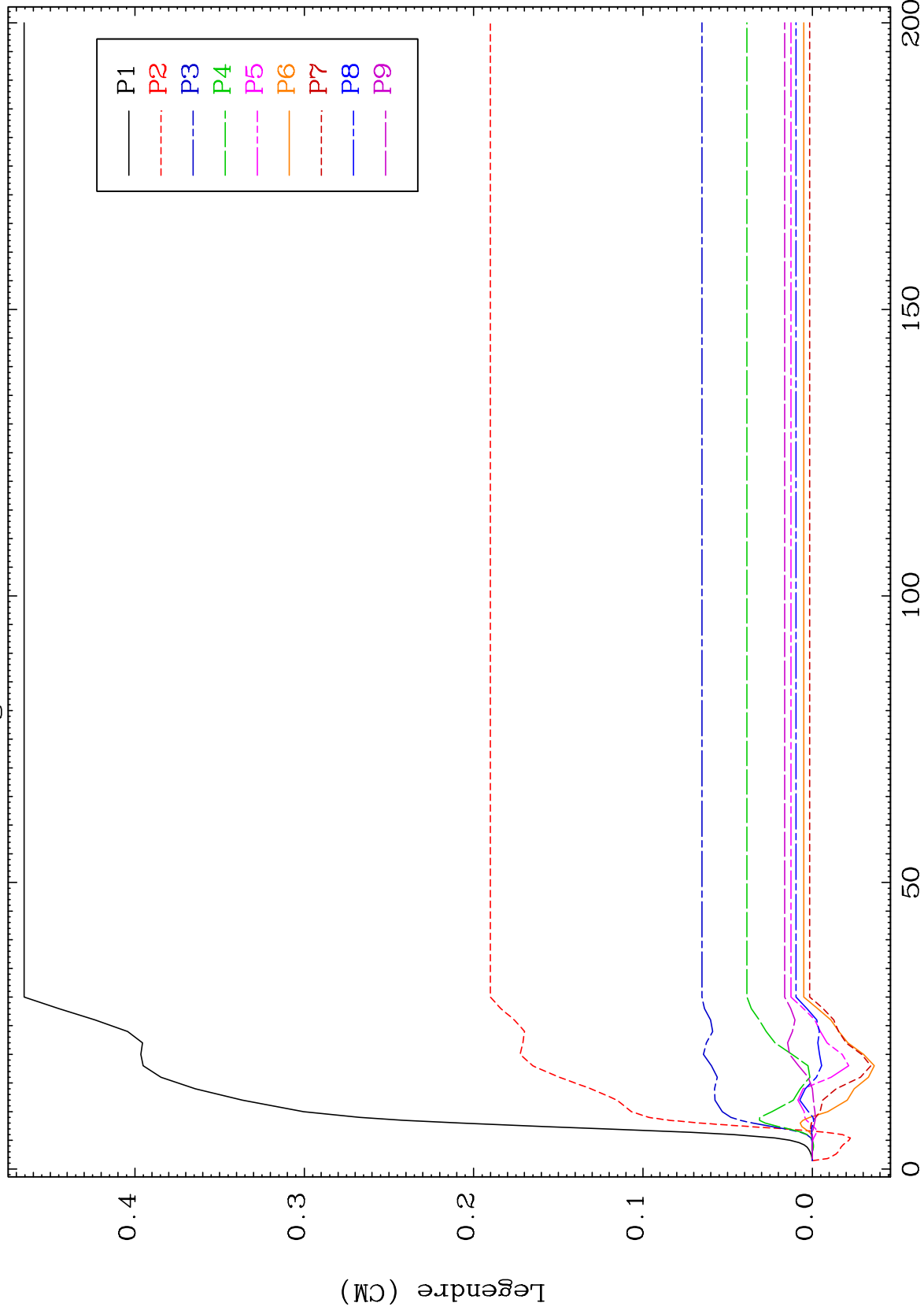
57

51-Sb-121

MAT 5125

MT= 62 (n,n') Level
Legendre Coefficients

51-Sb-121



51-Sb-121

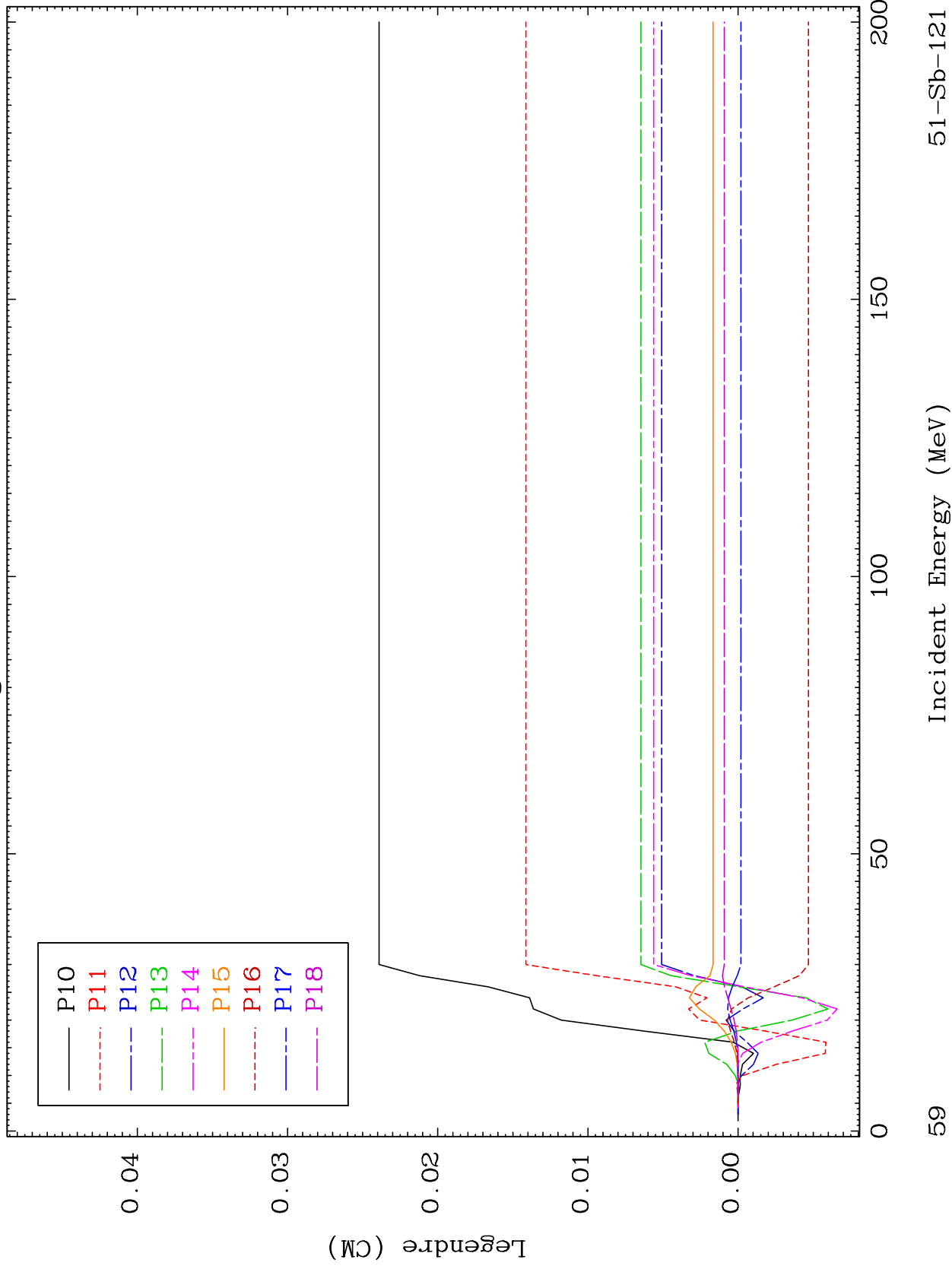
Incident Energy (MeV)

58

MAT 5125

MT= 62 (n,n') Level
Legendre Coefficients

51-Sb-121



51-Sb-121

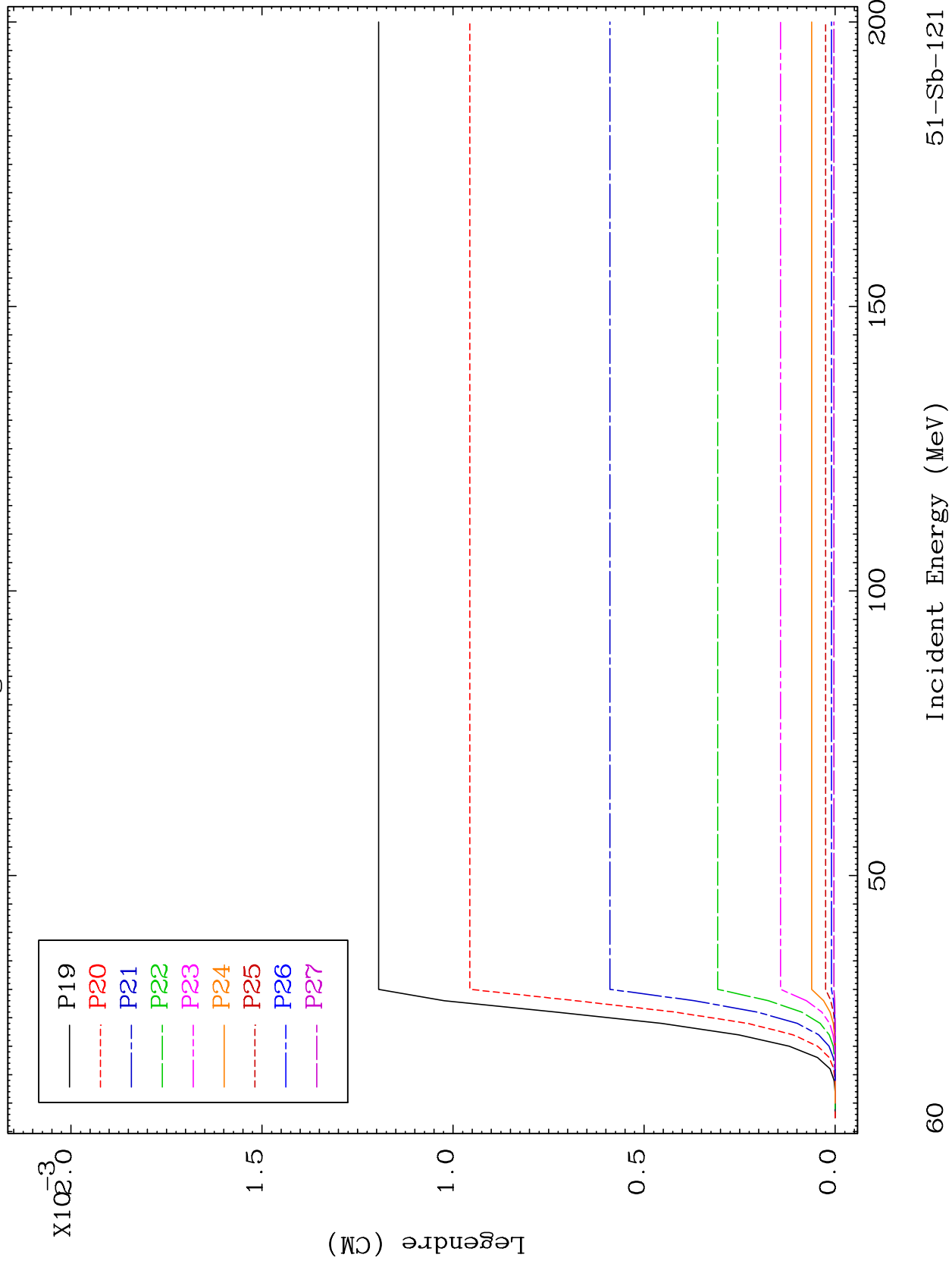
Incident Energy (MeV)

59

MAT 5125

MT= 62 (n,n') Level
Legendre Coefficients

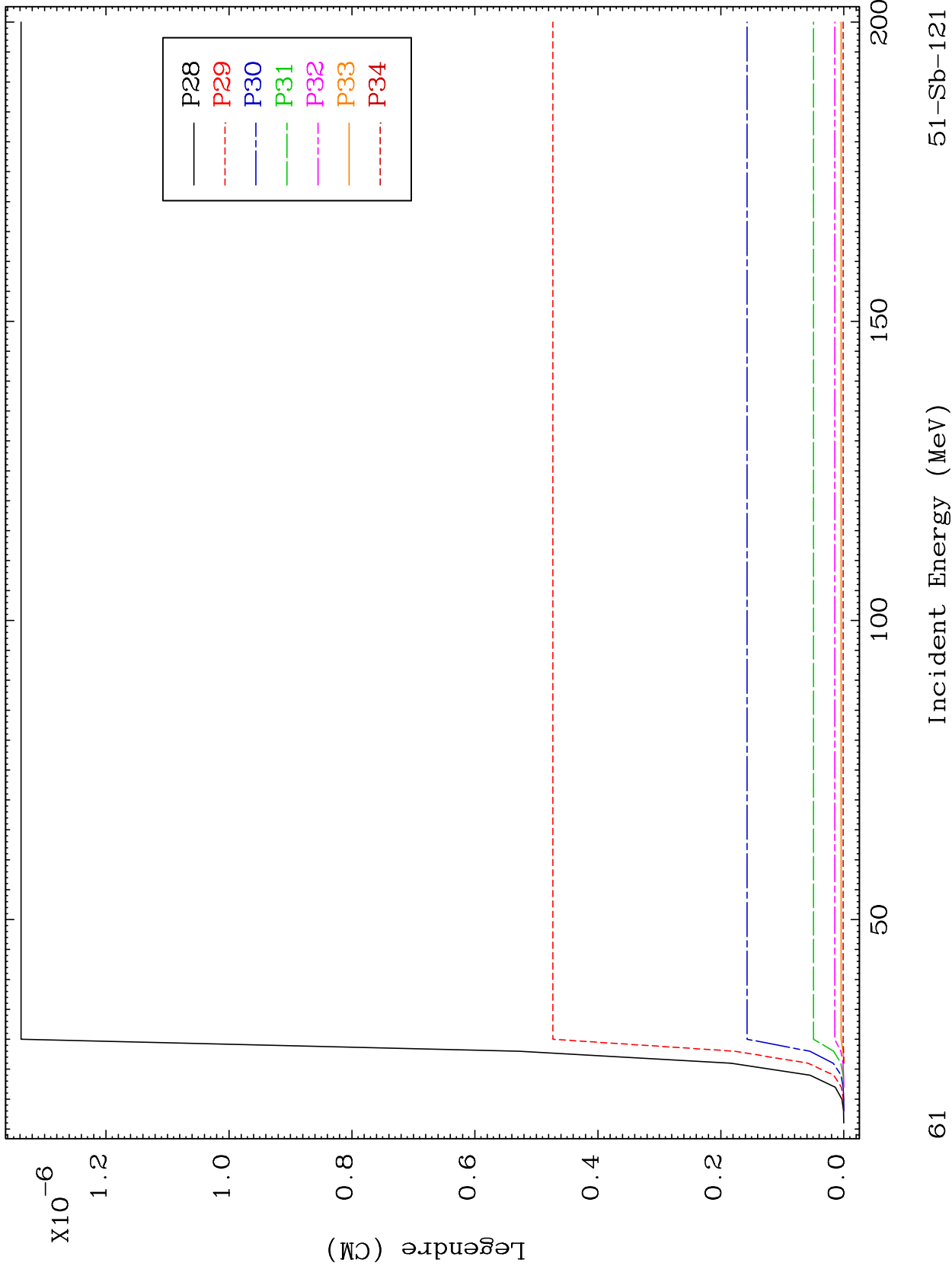
51-Sb-121



MAT 5125

MT= 62 (n,n') Level
Legendre Coefficients

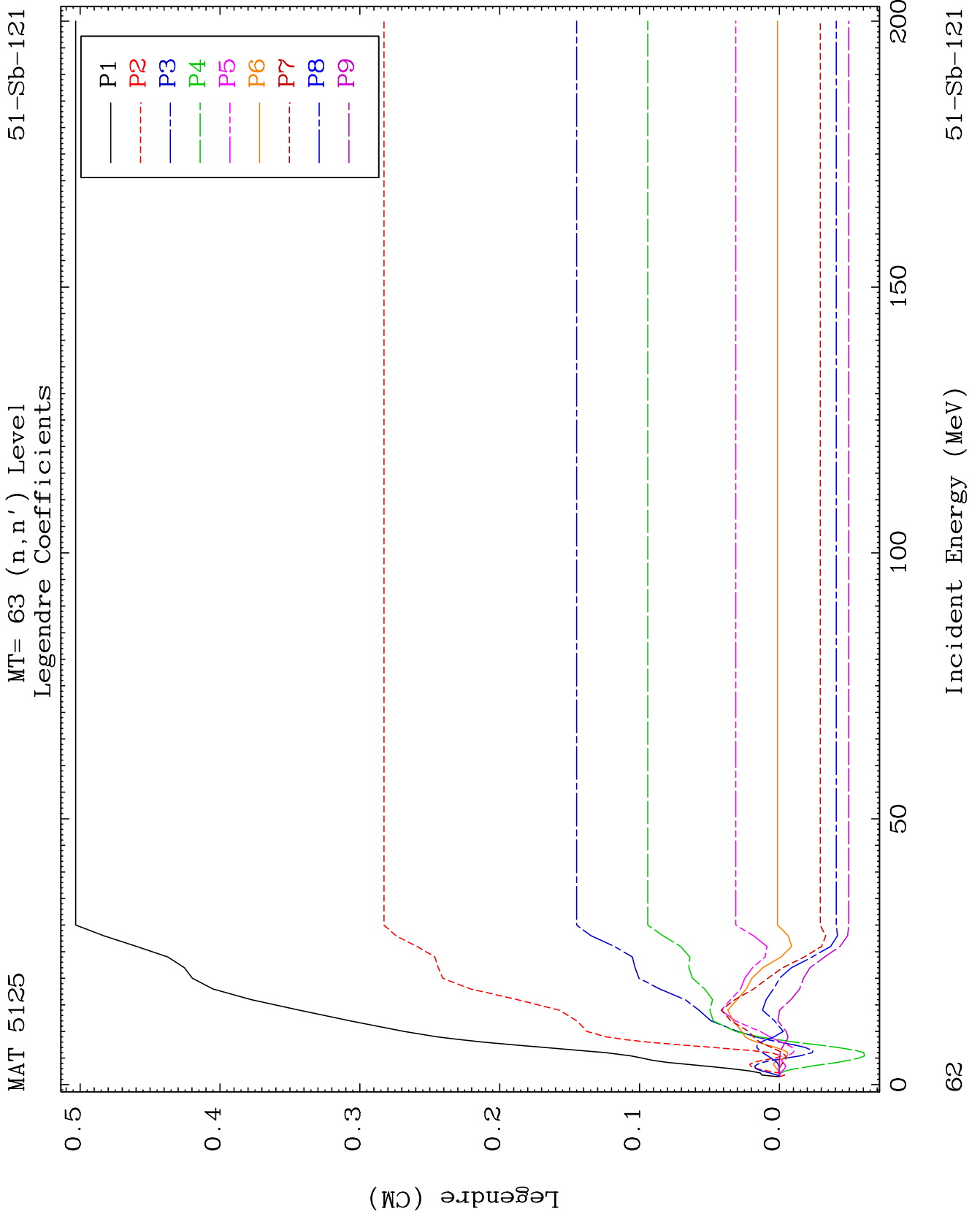
51-Sb-121



61

Incident Energy (MeV)

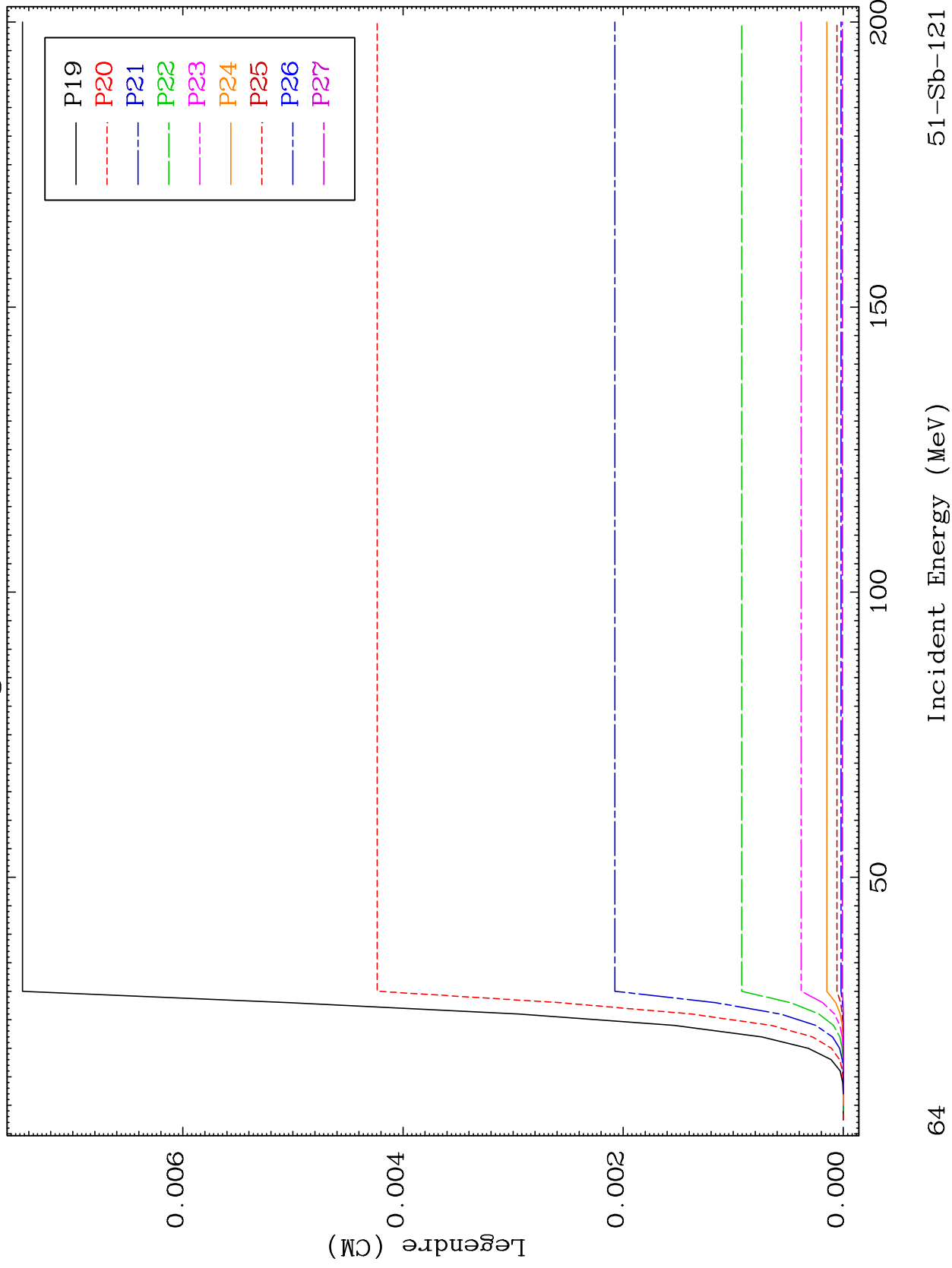
51-Sb-121



MAT 5125

MT= 63 (n,n') Level
Legendre Coefficients

51-Sb-121



64

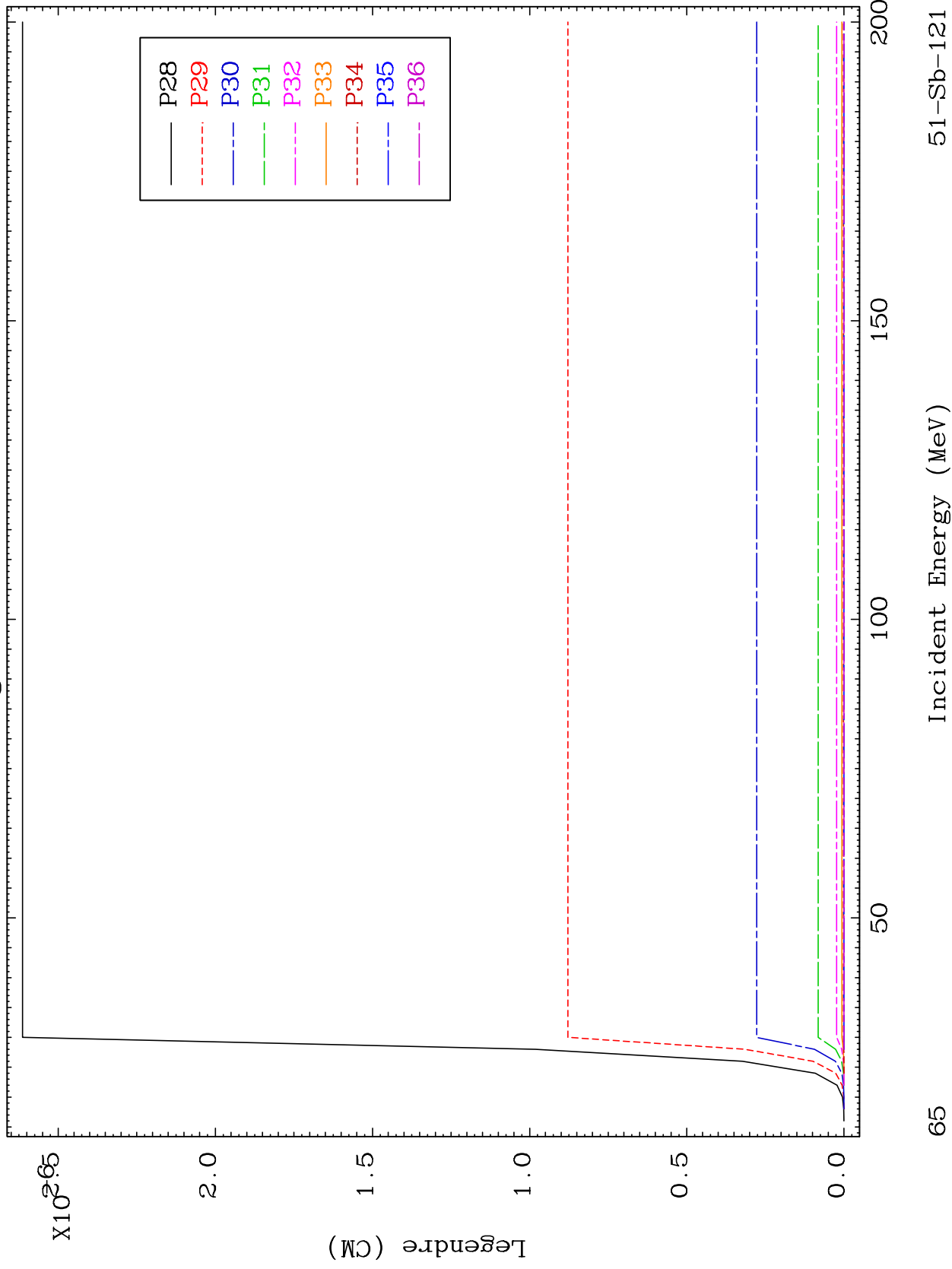
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 63 (n,n') Level
Legendre Coefficients

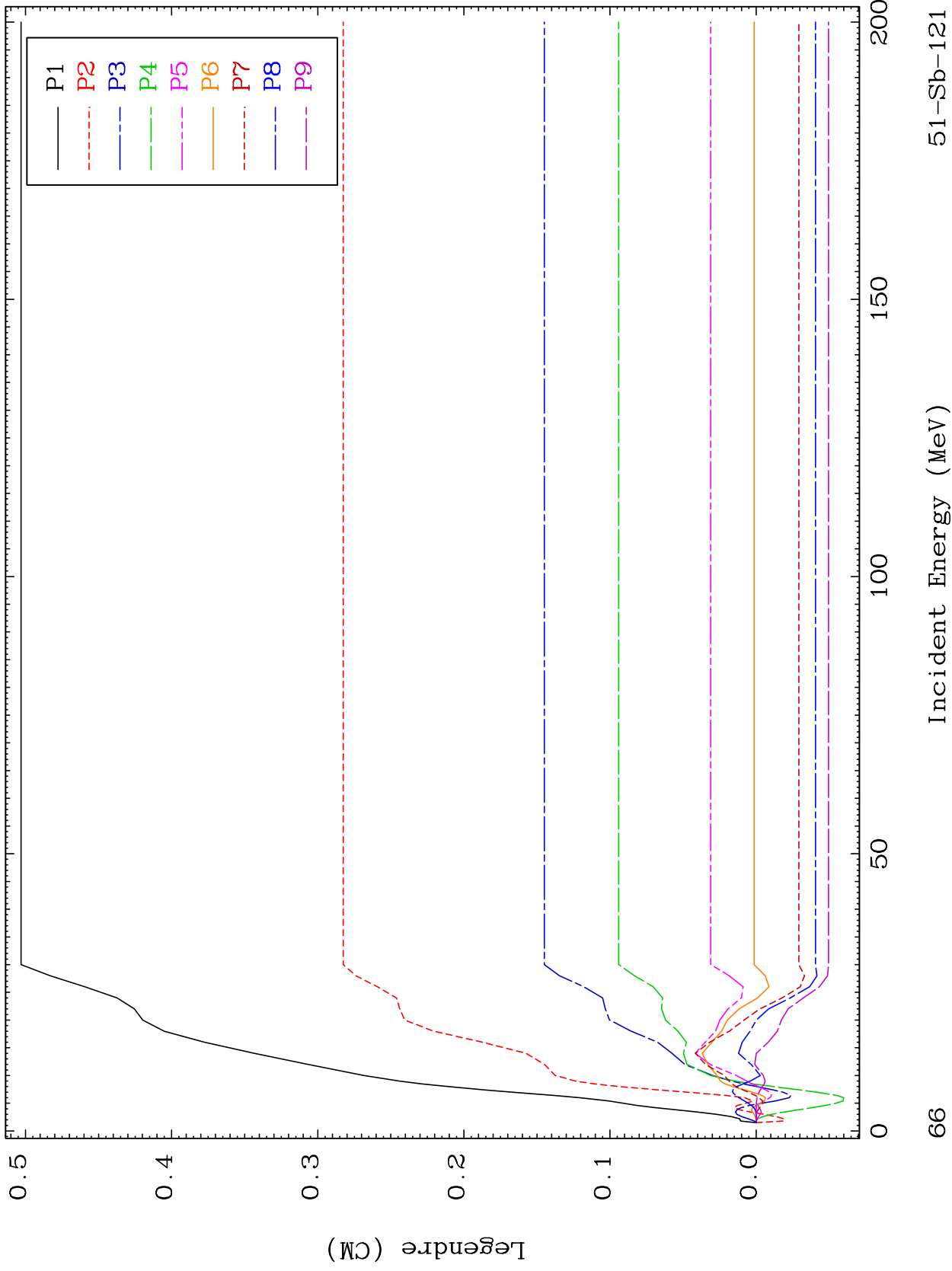
51-Sb-121



MAT 5125

MT= 64 (n,n') Level
Legendre Coefficients

51-Sb-121



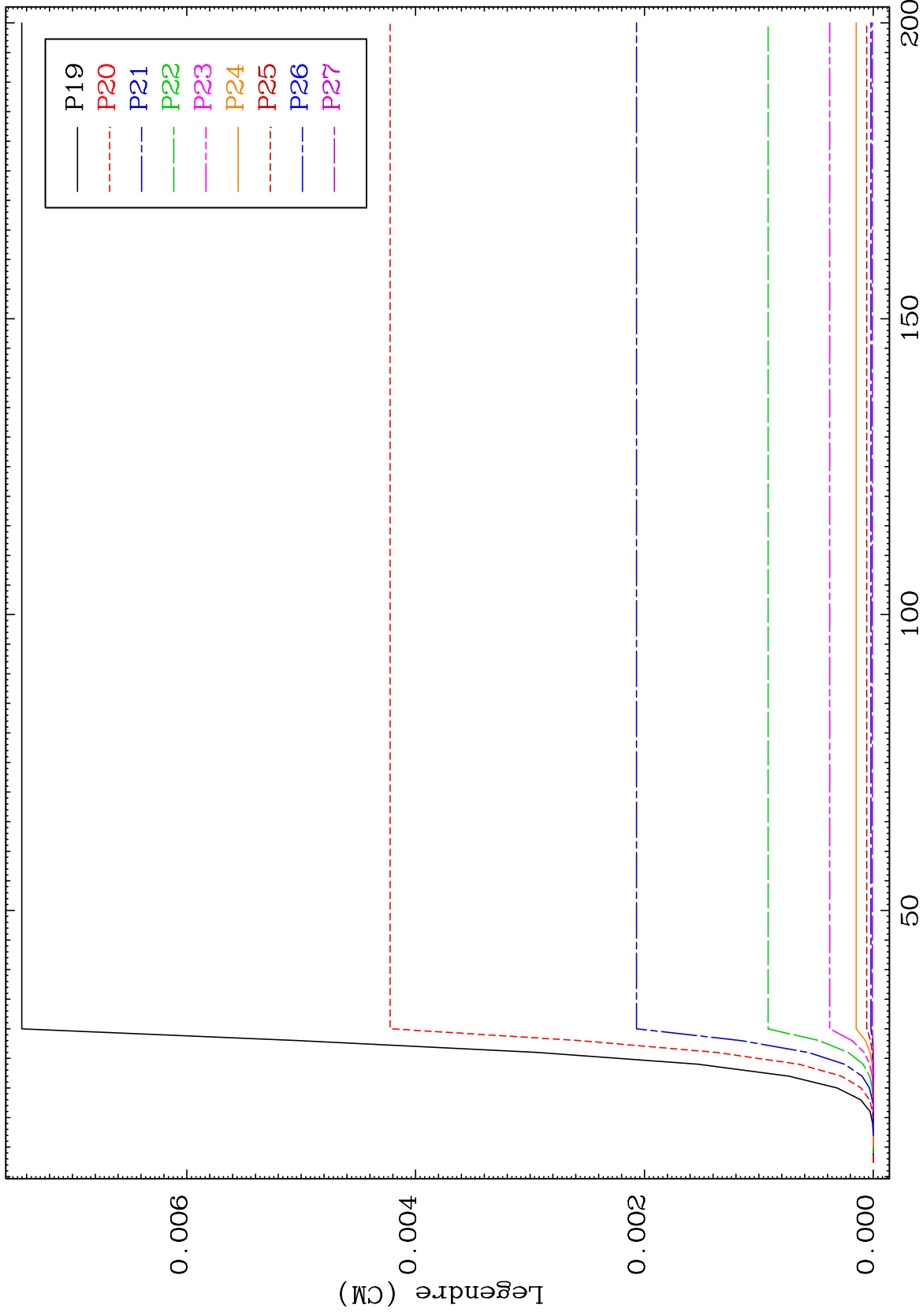
66

51-Sb-121

MAT 5125

MT= 64 (n,n') Level
Legendre Coefficients

51-Sb-121



68

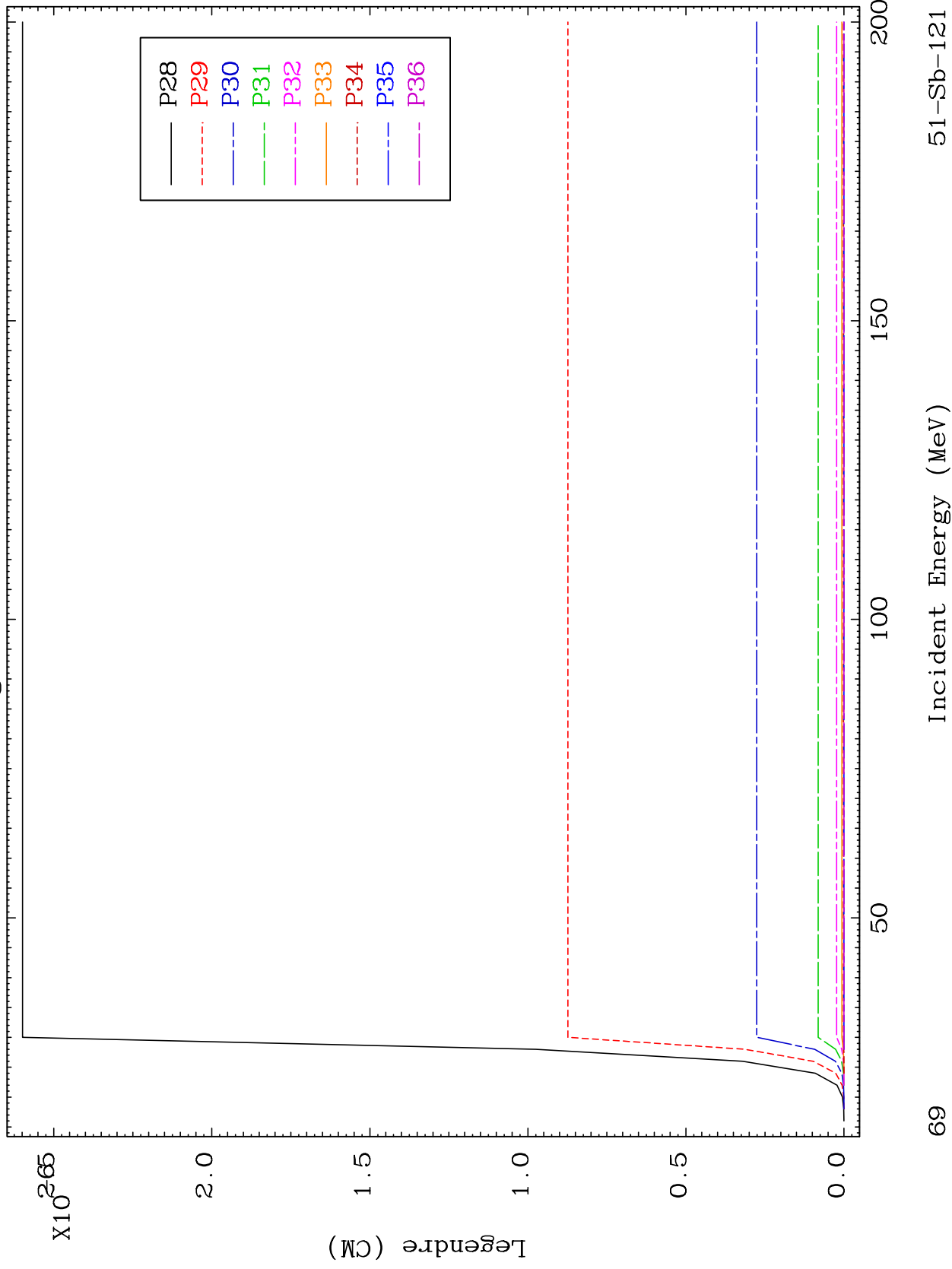
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 64 (n,n') Level
Legendre Coefficients

51-Sb-121



69

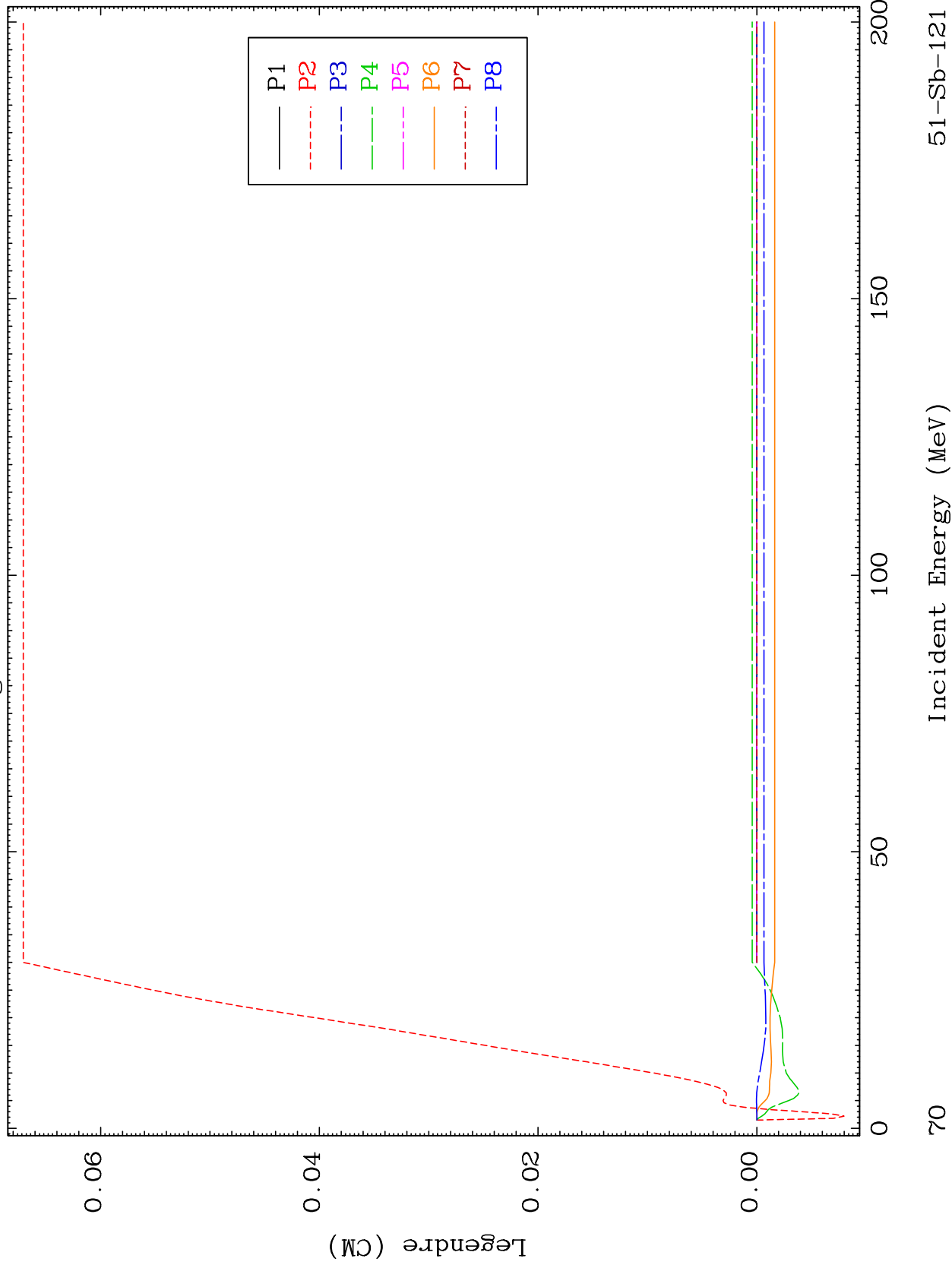
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 65 (n,n') Level
Legendre Coefficients

51-Sb-121



51-Sb-121

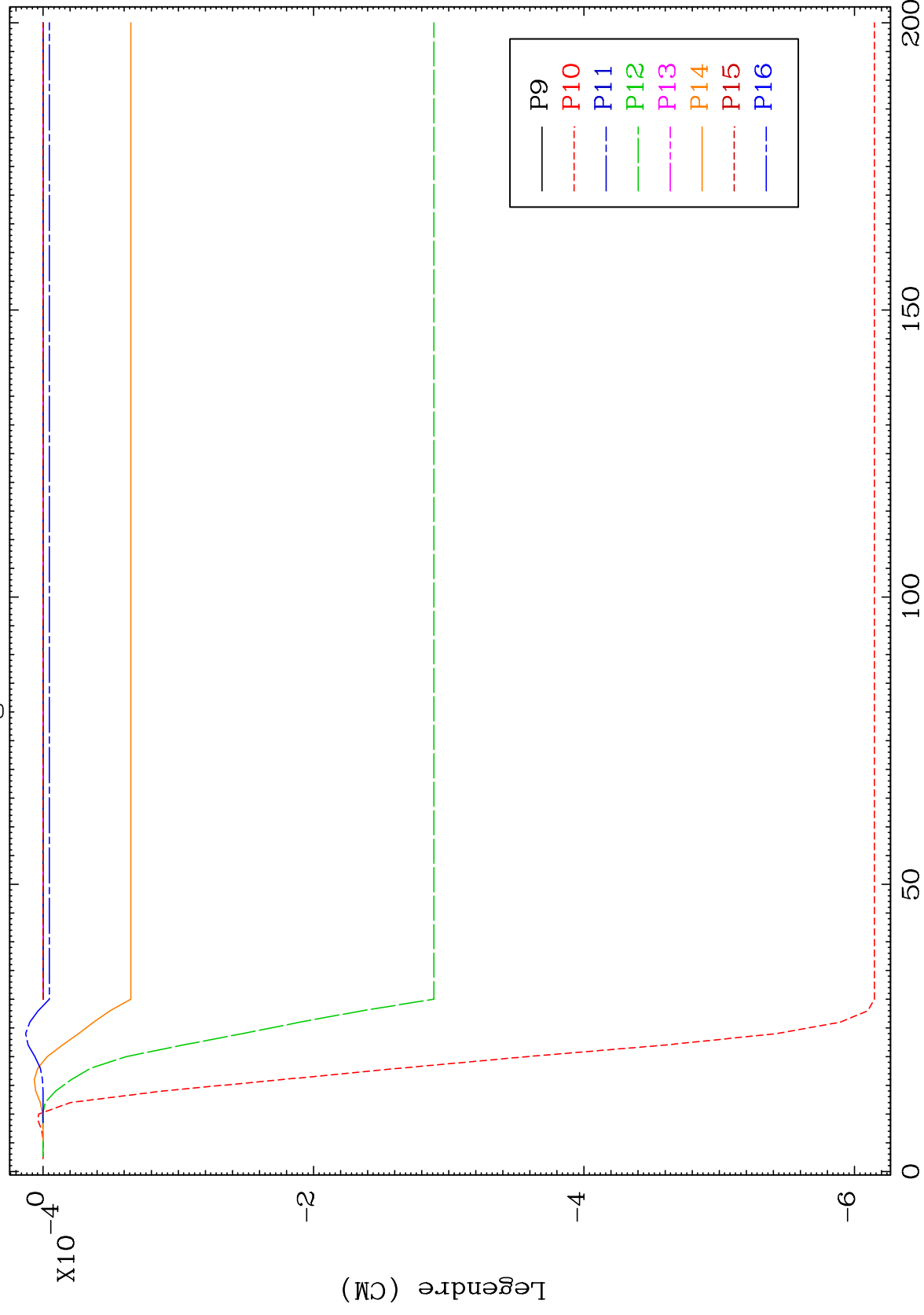
Incident Energy (MeV)

70

MAT 5125

MT= 65 (n,n') Level
Legendre Coefficients

51-Sb-121



71

Incident Energy (MeV)

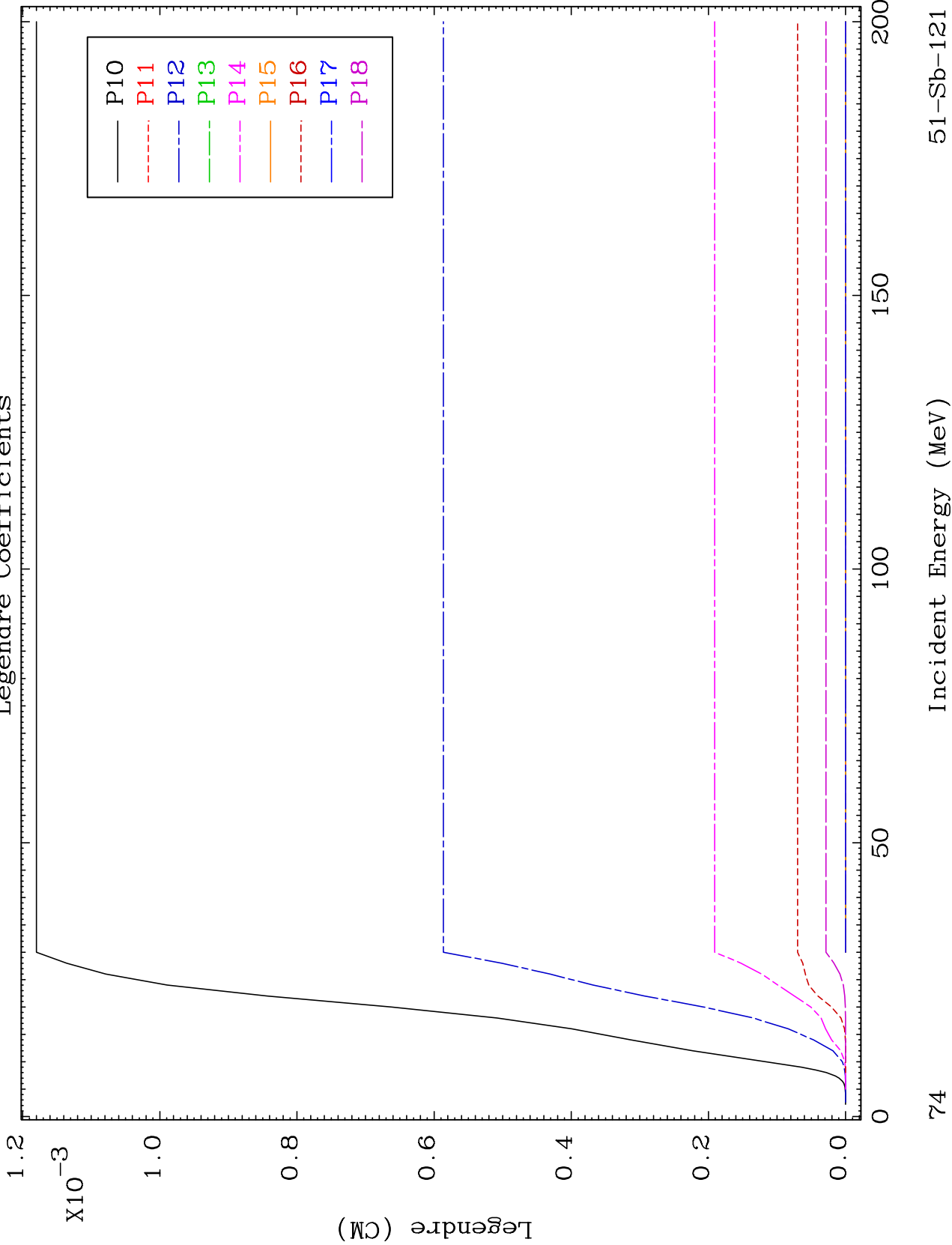
51-Sb-121

MAT 5125

MT= 66 (n,n') Level

51-Sb-121

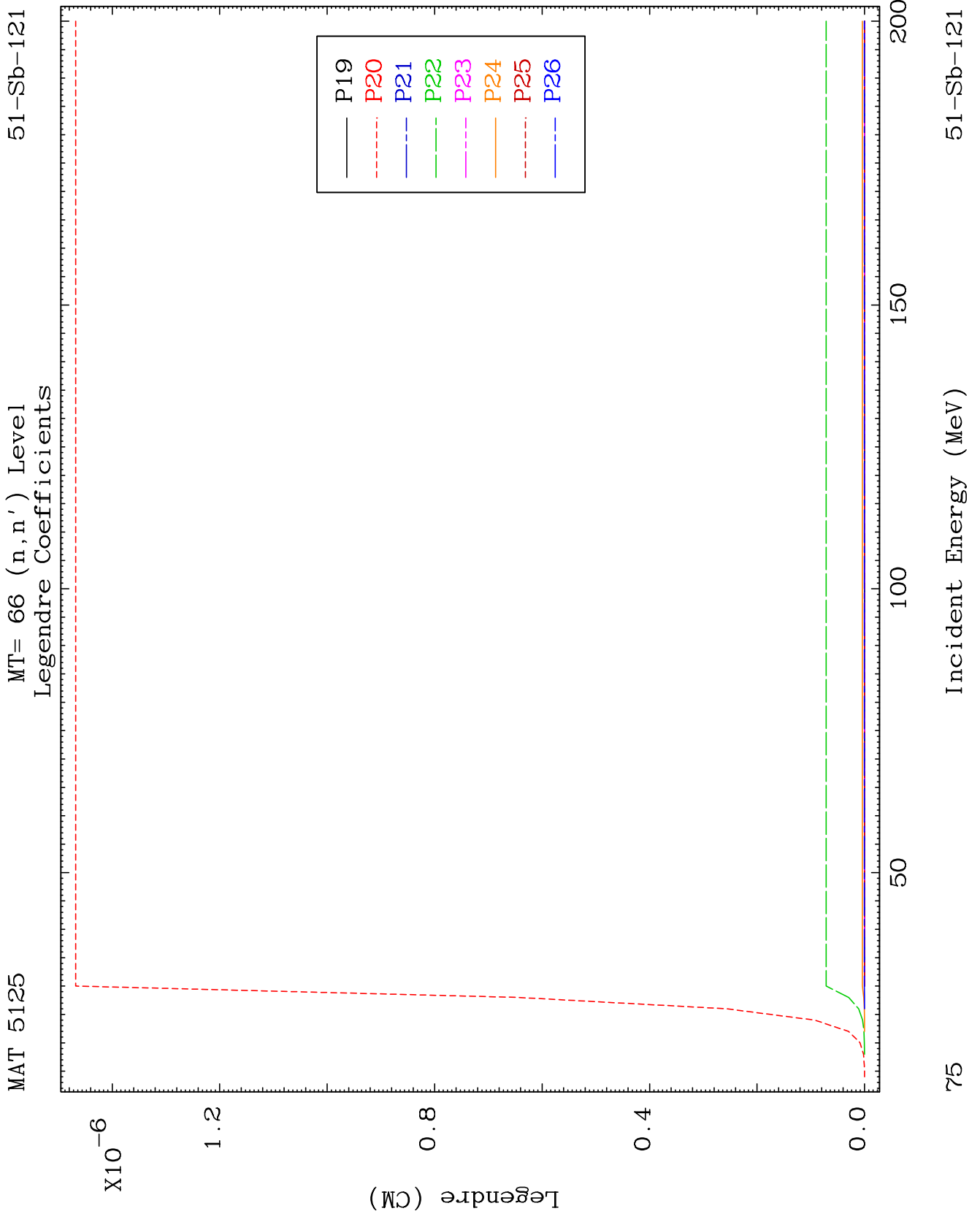
Legendre Coefficients



74

Incident Energy (MeV)

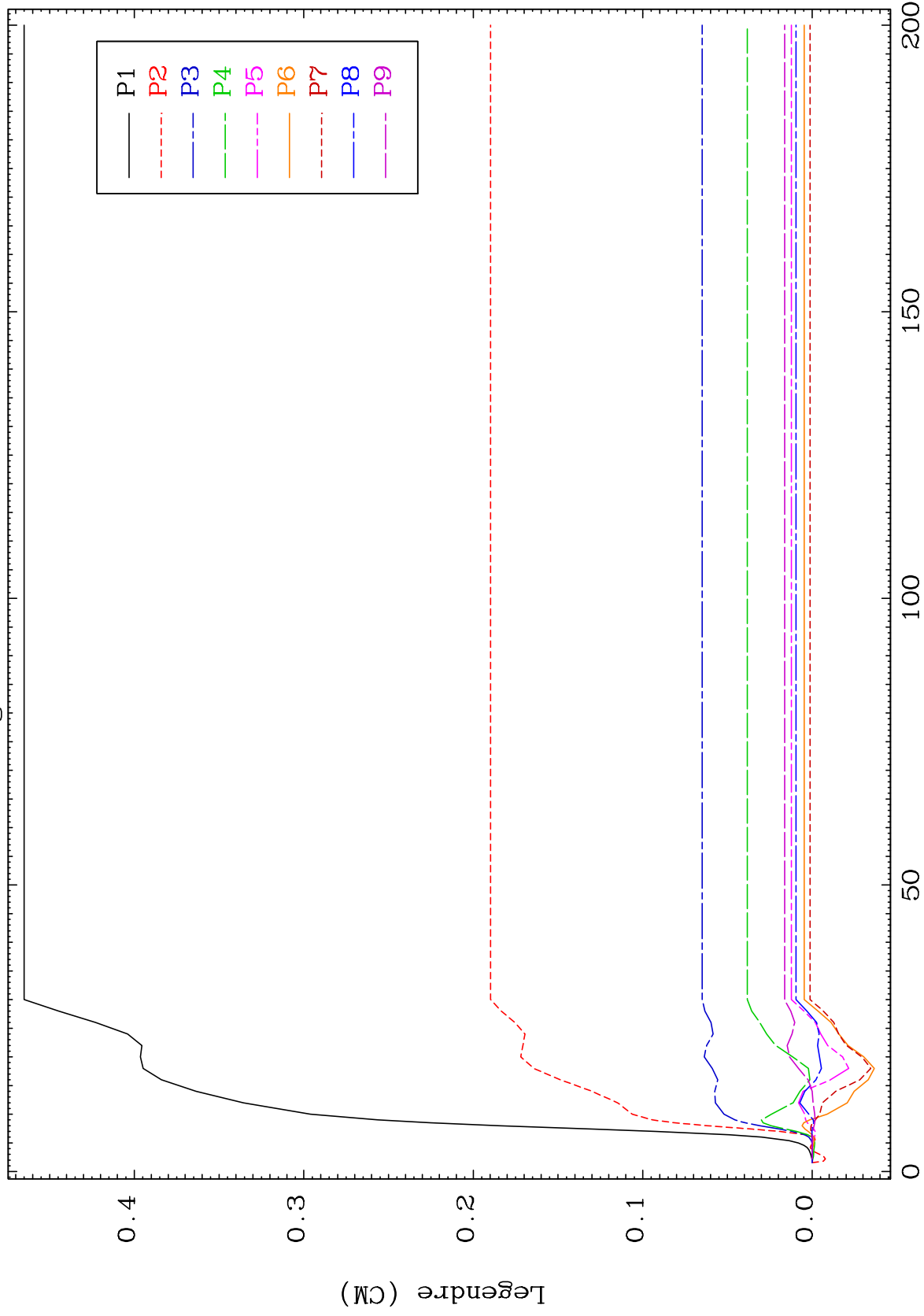
51-Sb-121



MAT 5125

MT= 67 (n,n') Level
Legendre Coefficients

51-Sb-121



76

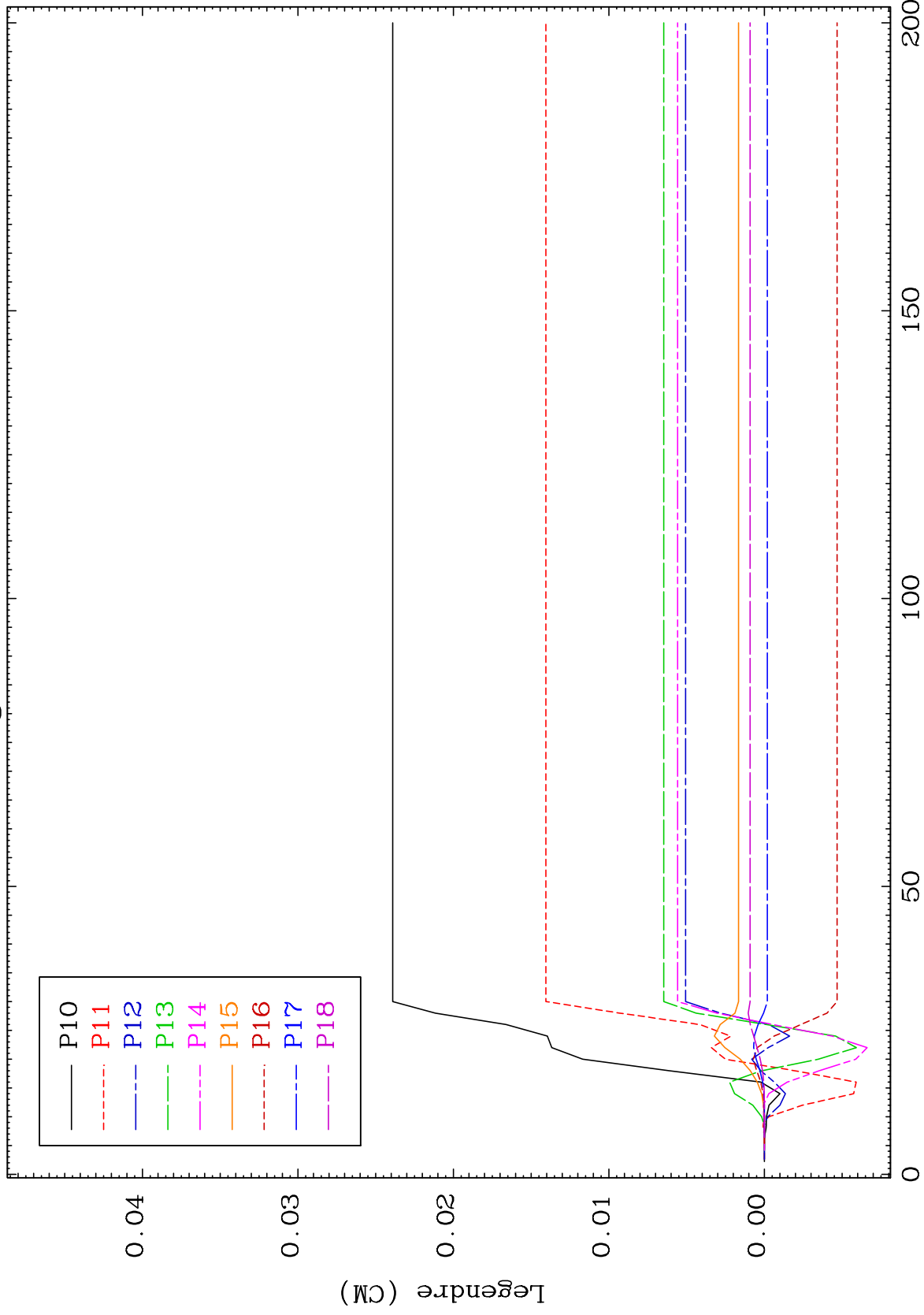
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 67 (n,n') Level
Legendre Coefficients

51-Sb-121



77

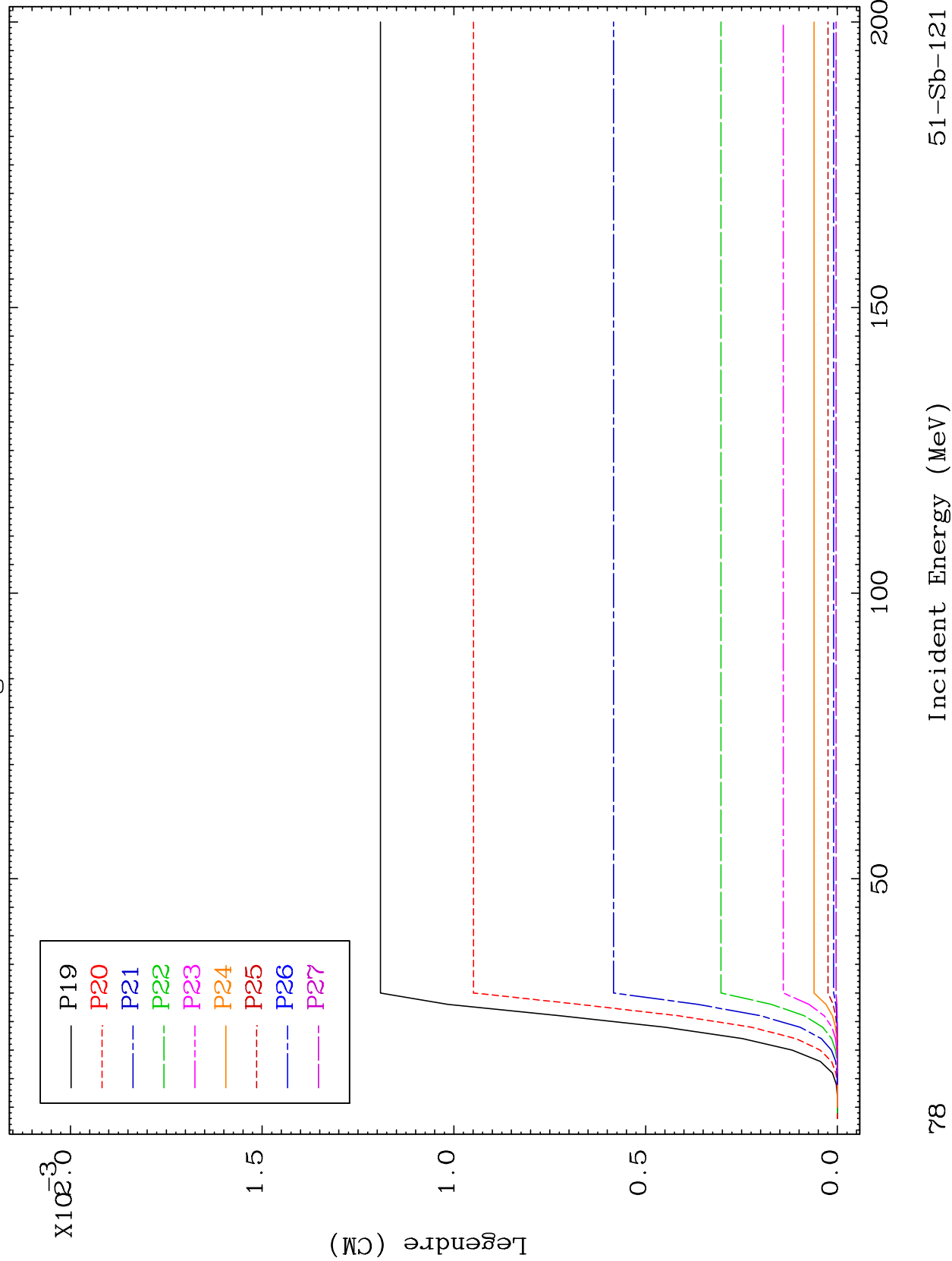
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 67 (n,n') Level
Legendre Coefficients

51-Sb-121



78

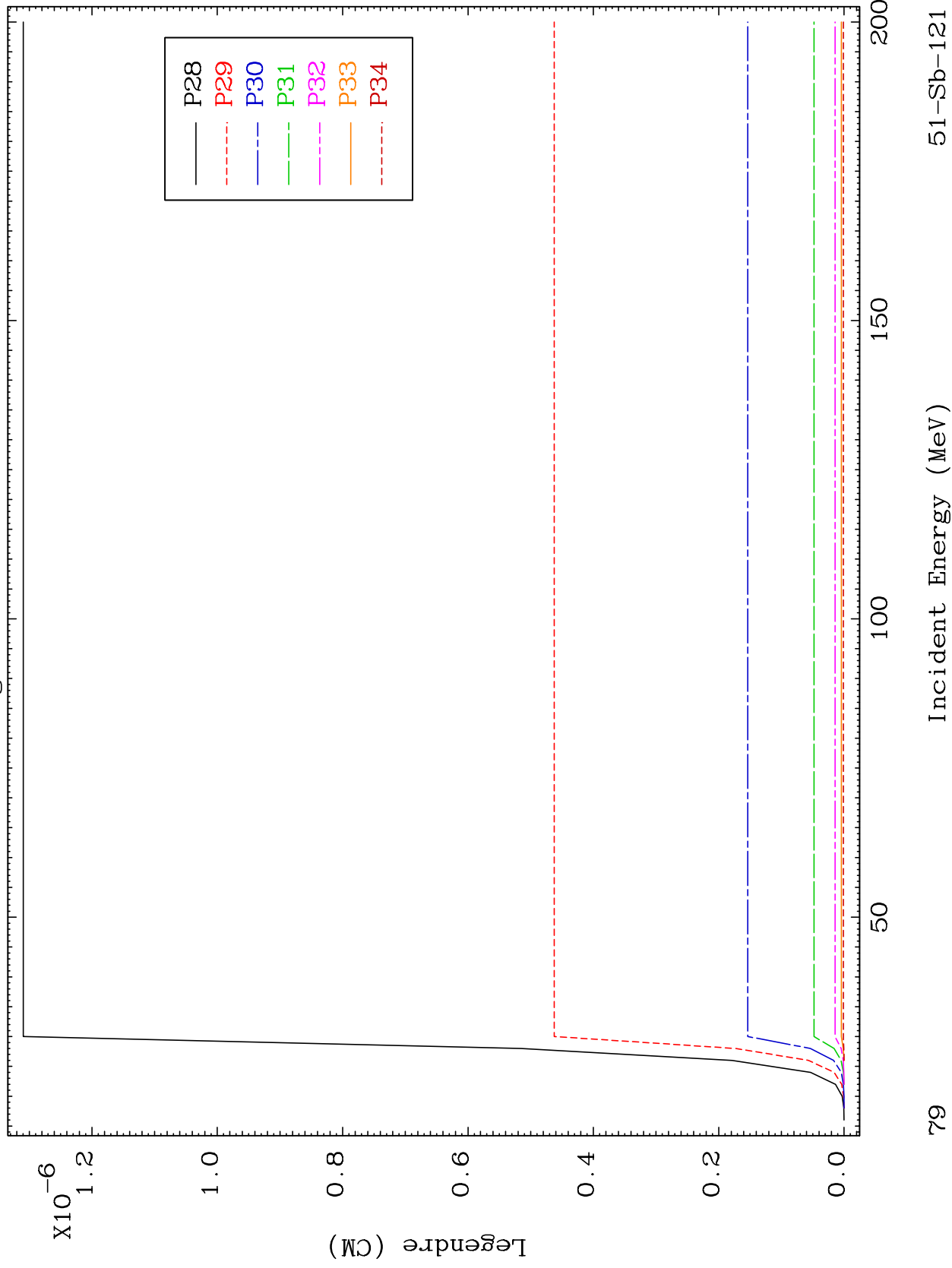
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 67 (n,n') Level
Legendre Coefficients

51-Sb-121



79

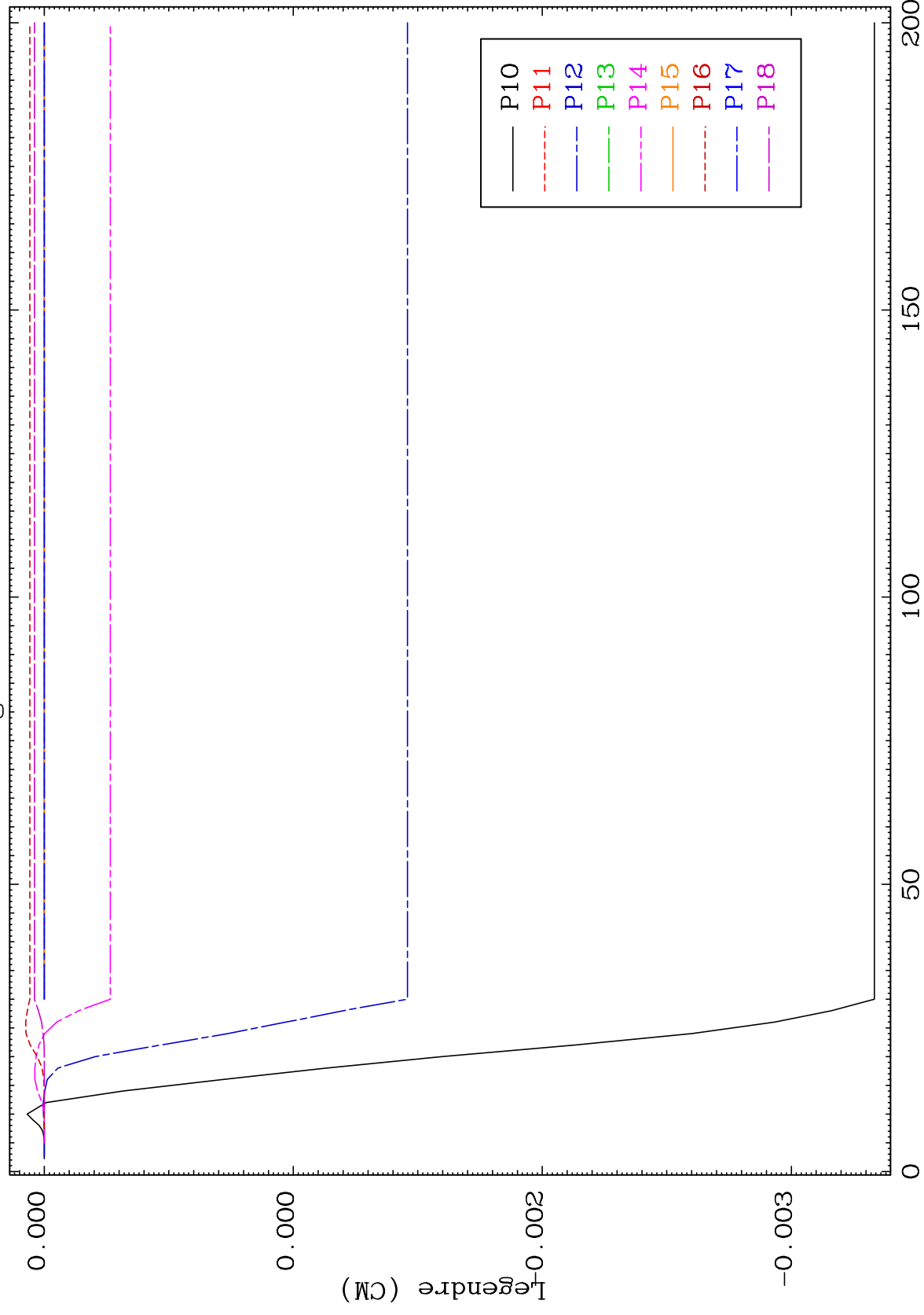
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 68 (n,n') Level
Legendre Coefficients

51-Sb-121



81

Incident Energy (MeV)

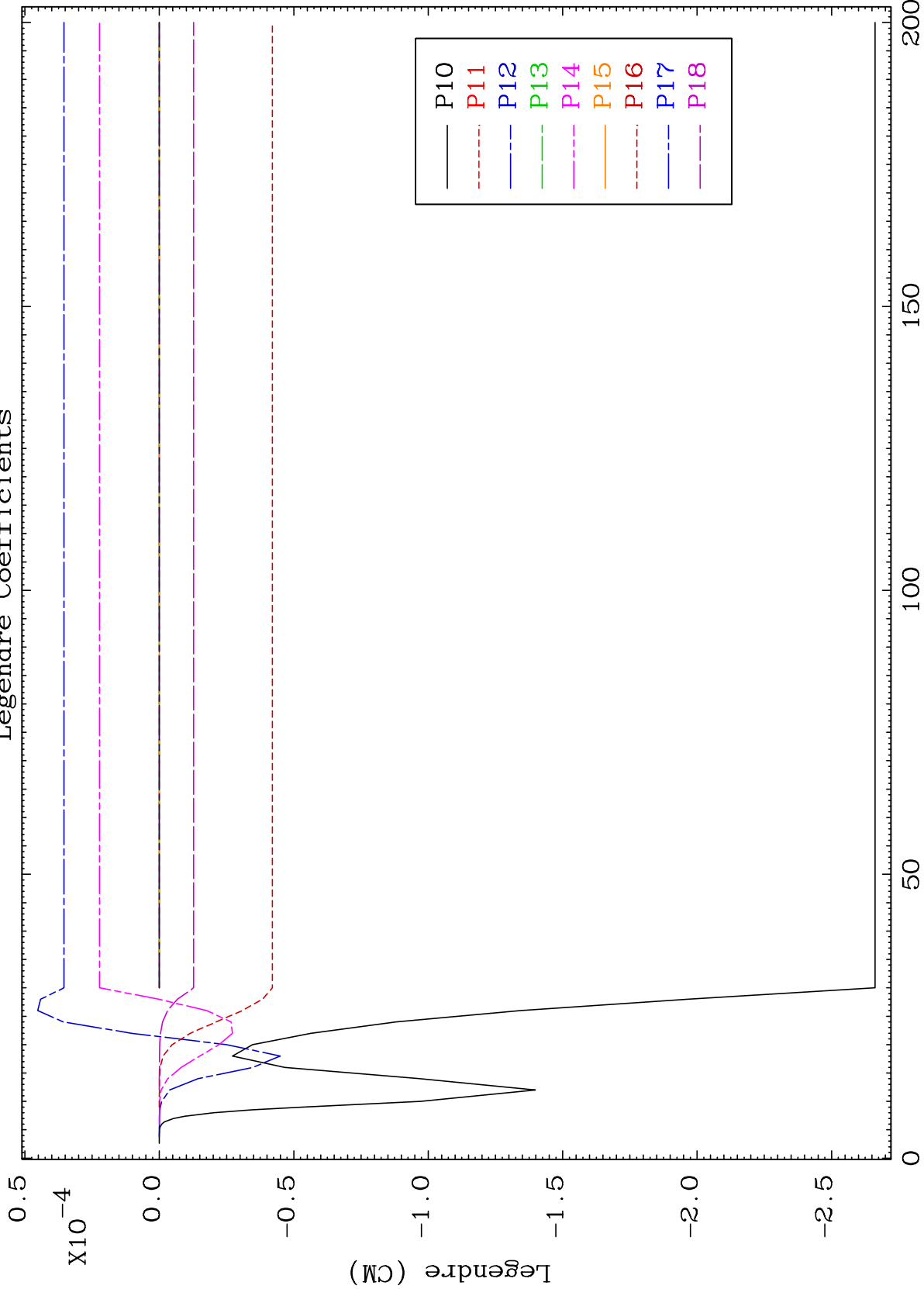
51-Sb-121

MAT 5125

MT= 69 (n,n') Level

51-Sb-121

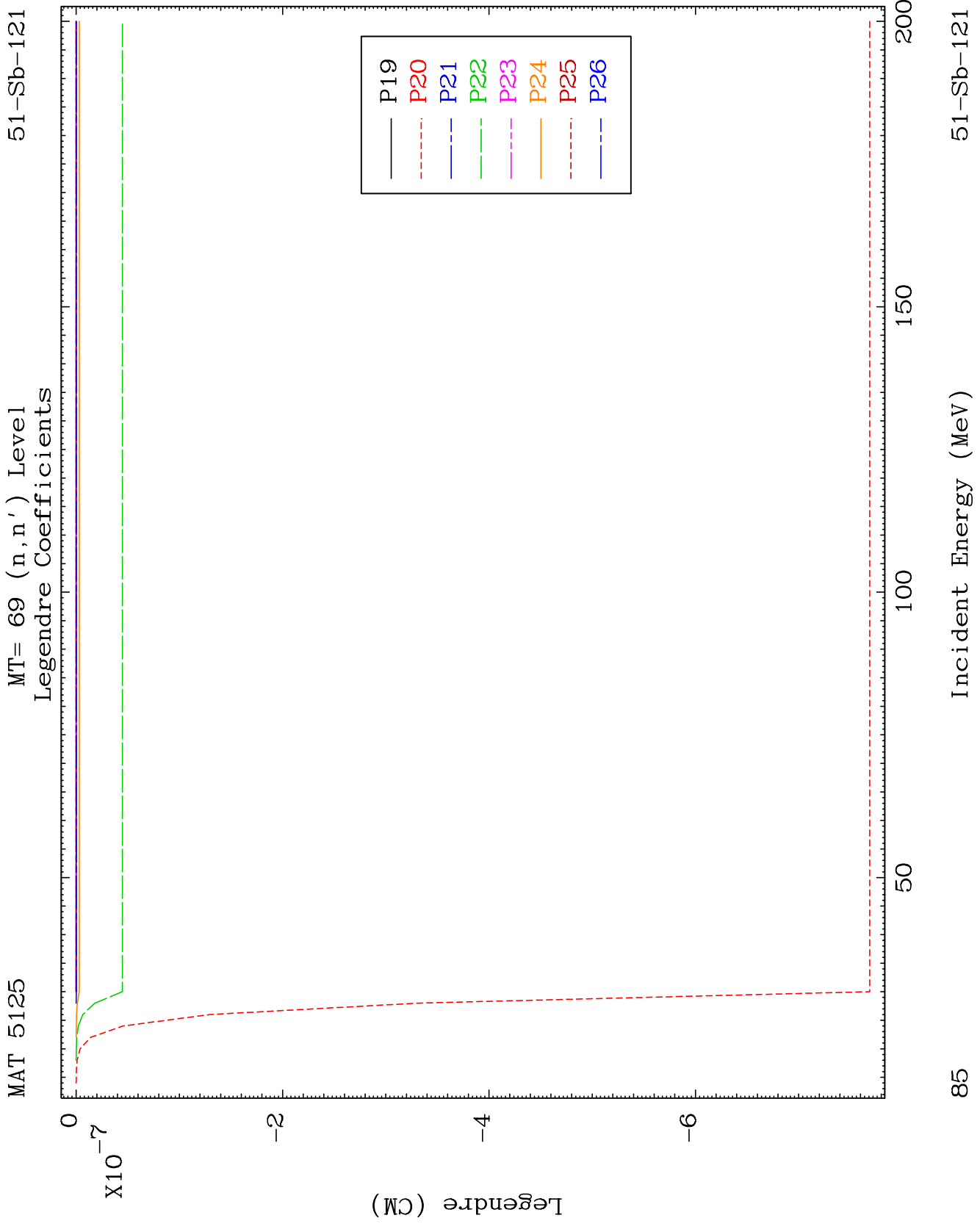
Legendre Coefficients



84

Incident Energy (MeV)

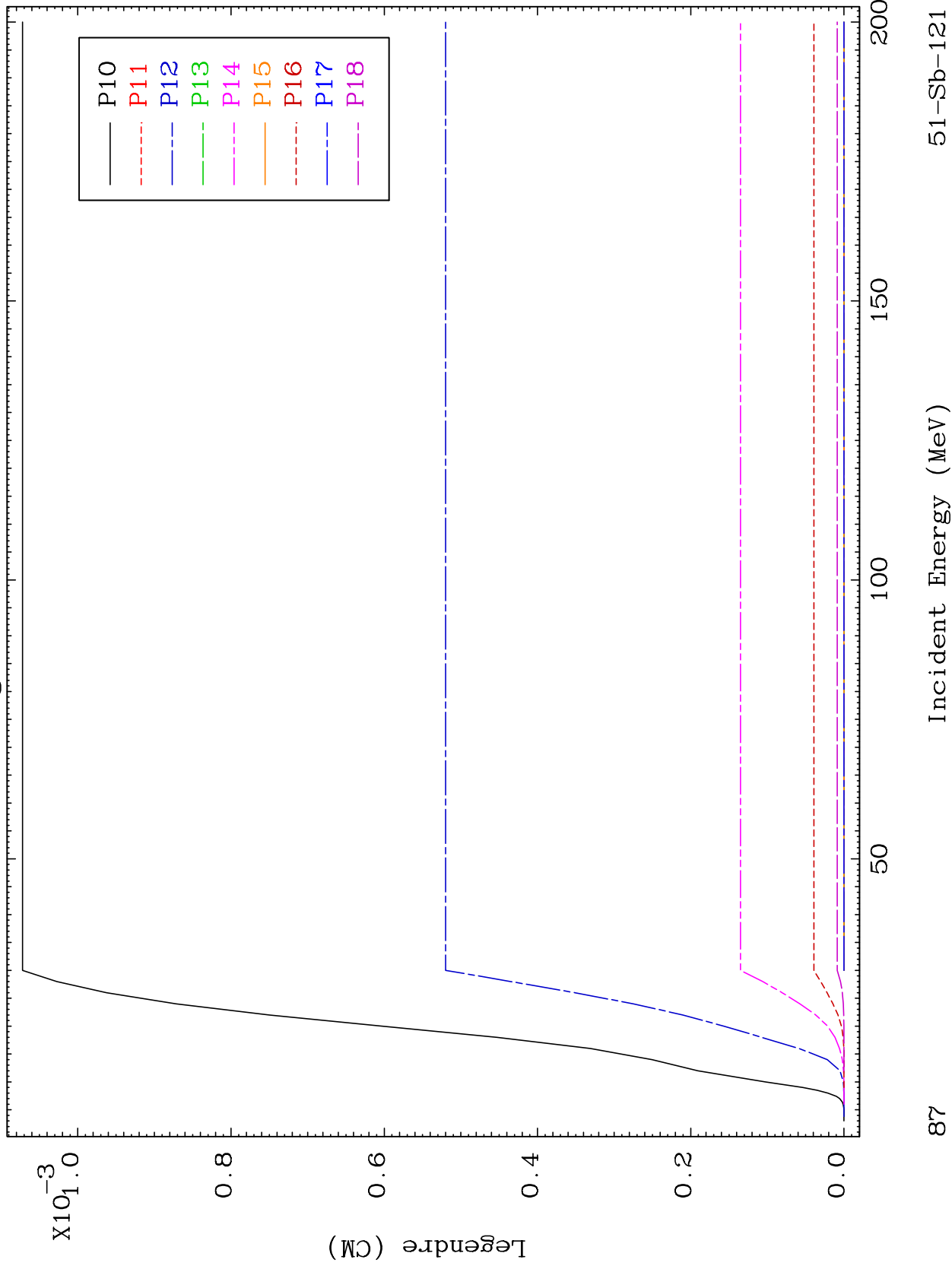
51-Sb-121



MAT 5125

MT= 70 (n,n') Level
Legendre Coefficients

51-Sb-121



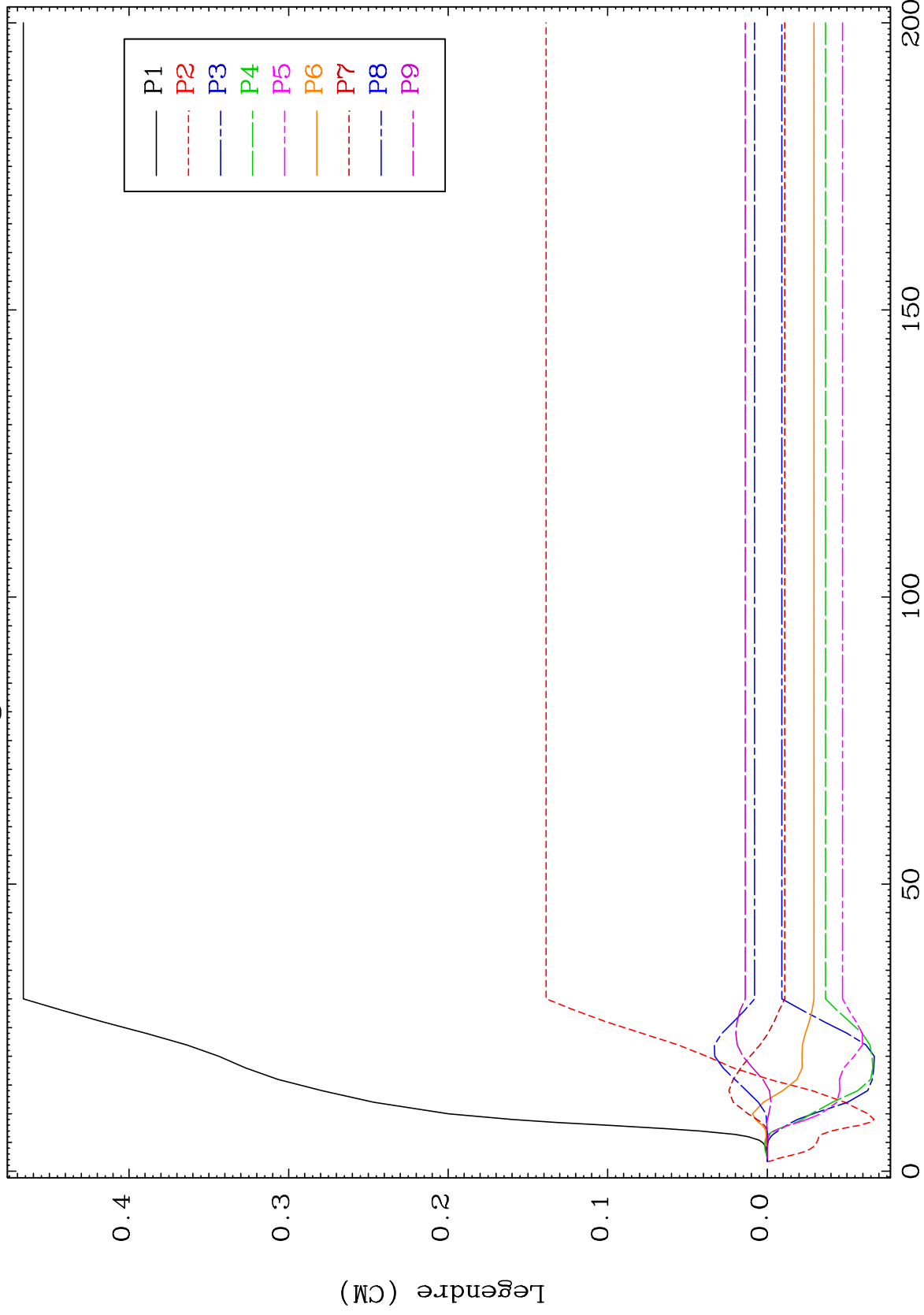
87

51-Sb-121

MAT 5125

MT= 71 (n,n') Level
Legendre Coefficients

51-Sb-121



89

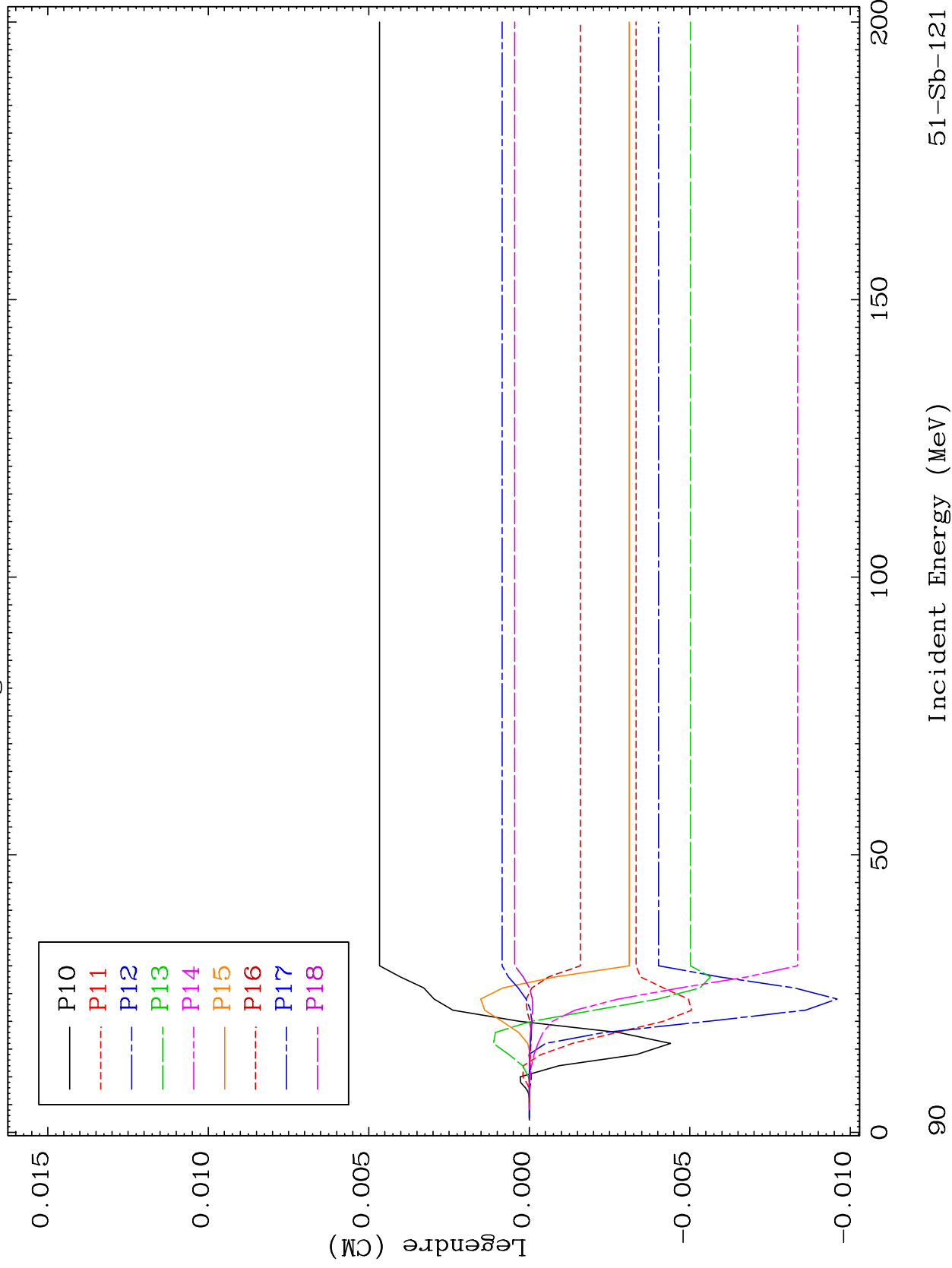
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 71 (n,n') Level
Legendre Coefficients

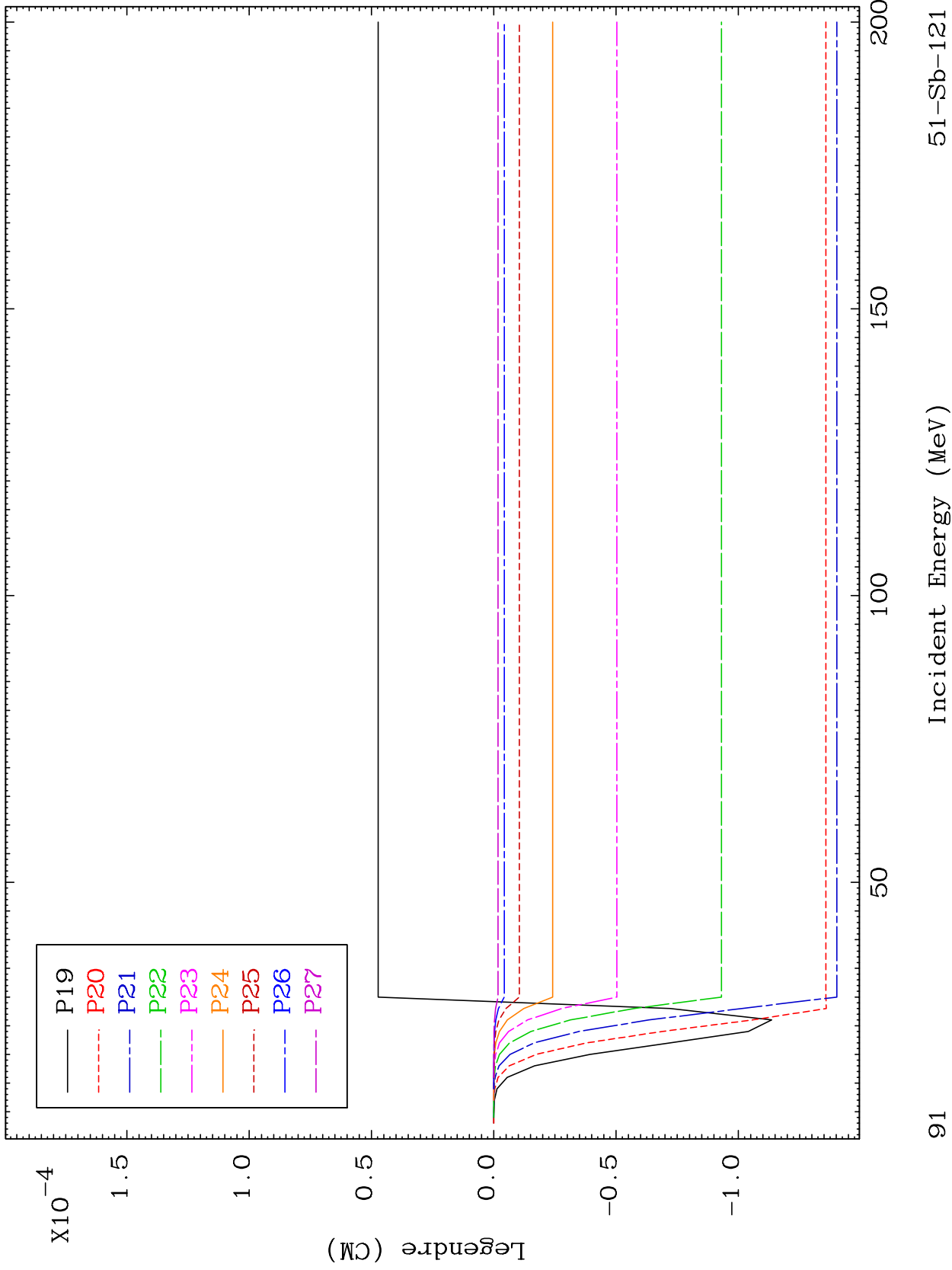
51-Sb-121

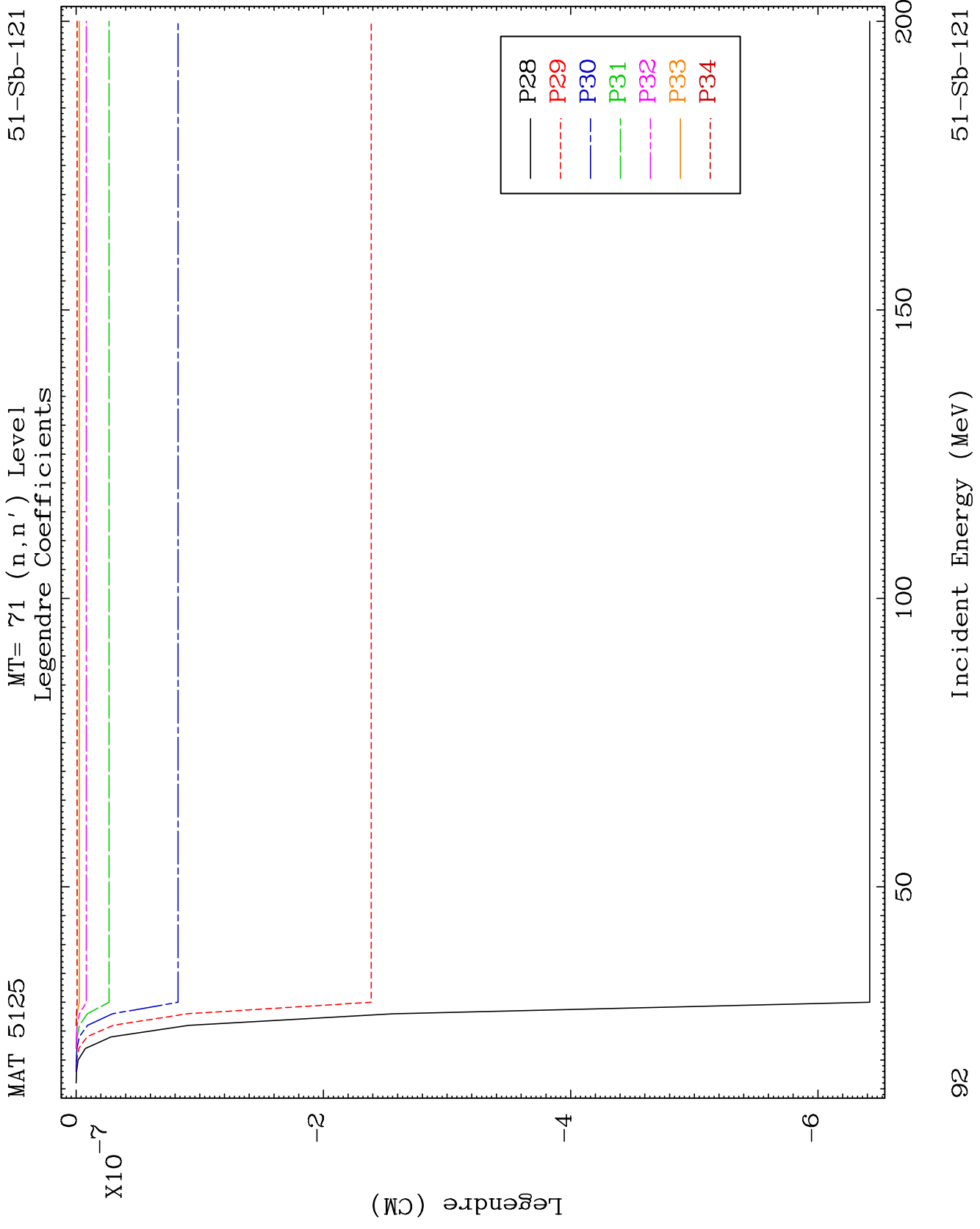


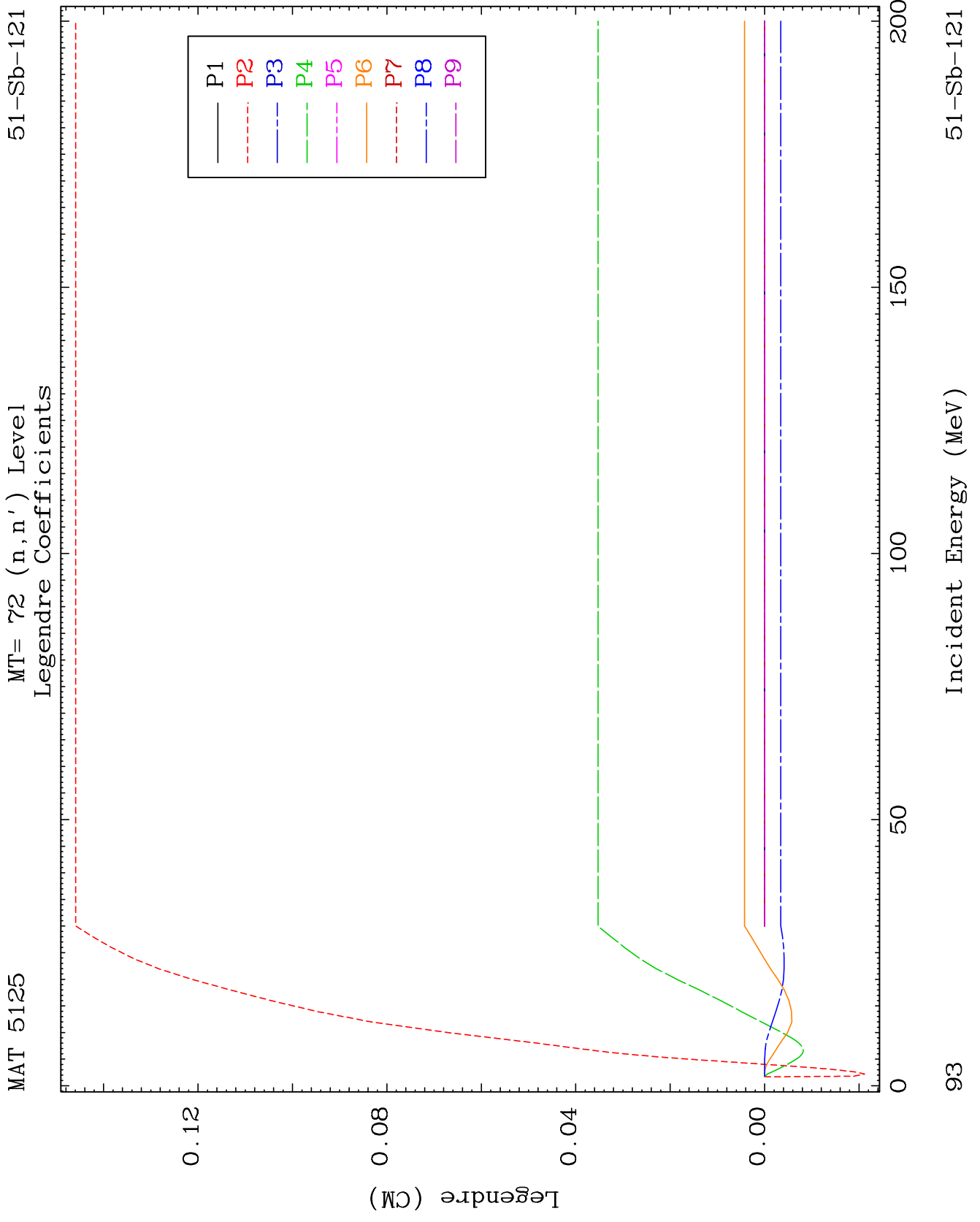
51-Sb-121

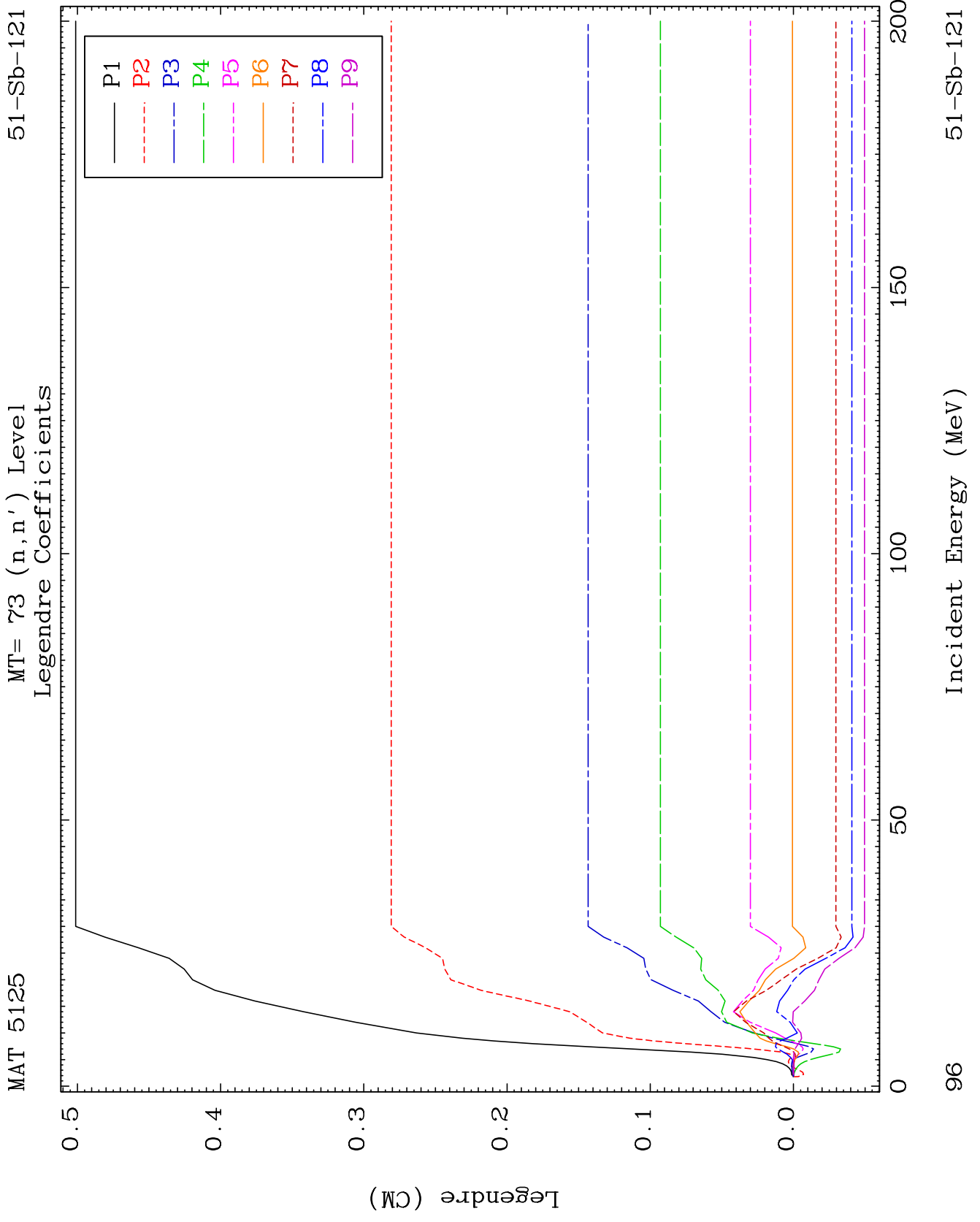
Incident Energy (MeV)

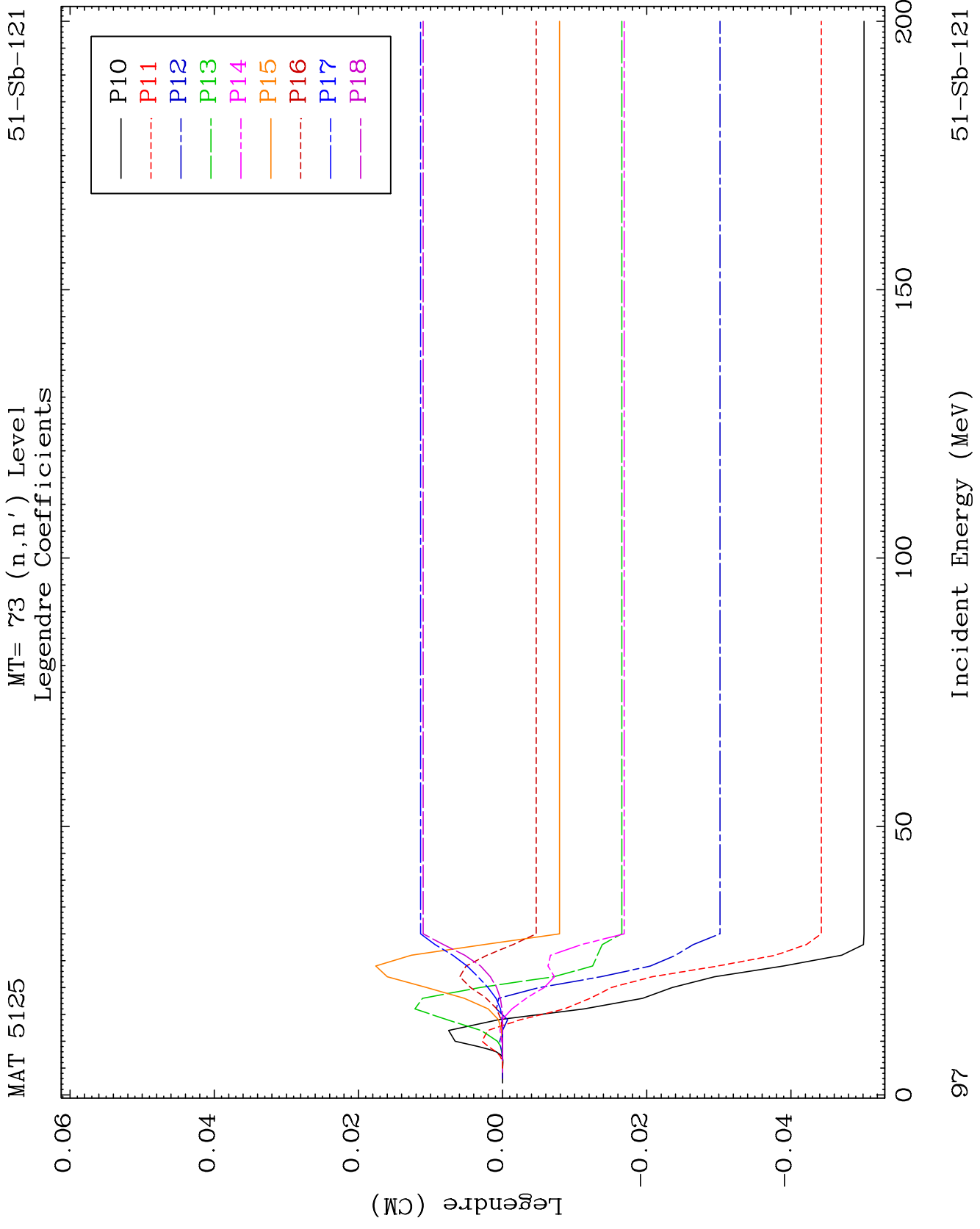
90







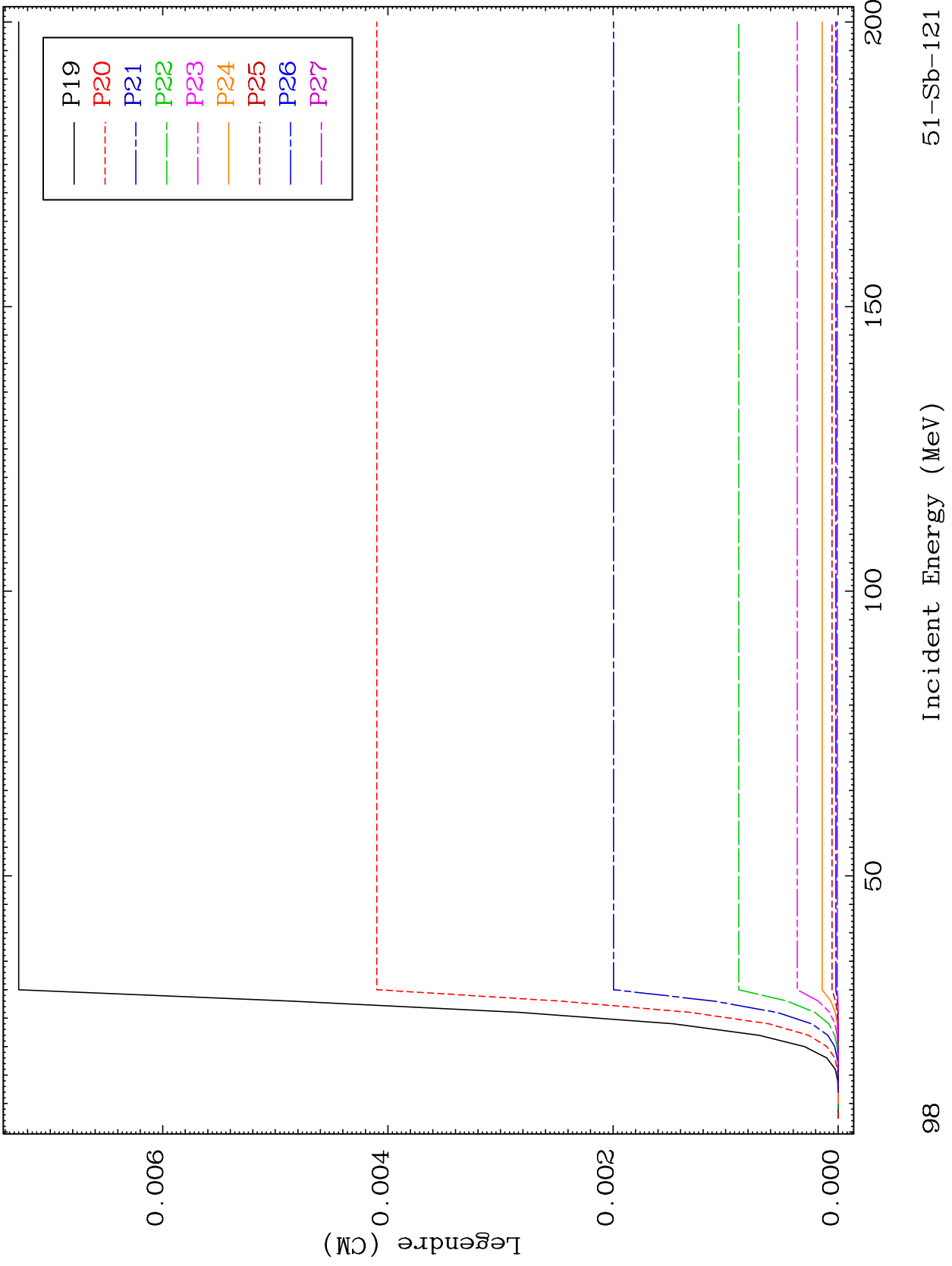




MAT 5125

MT= 73 (n,n') Level
Legendre Coefficients

51-Sb-121



98

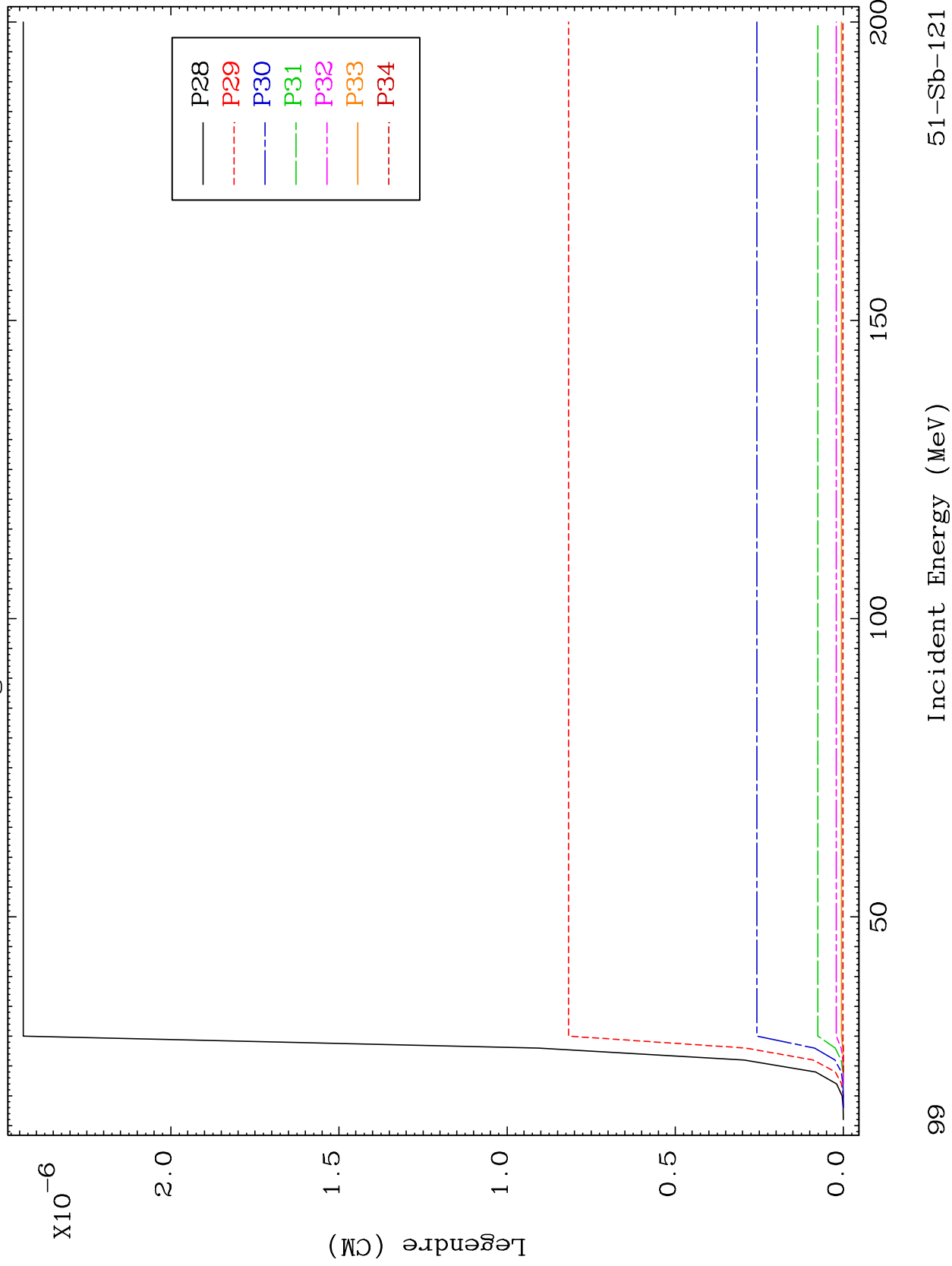
Incident Energy (MeV)

51-Sb-121

MAT 5125

MT= 73 (n,n') Level
Legendre Coefficients

51-Sb-121

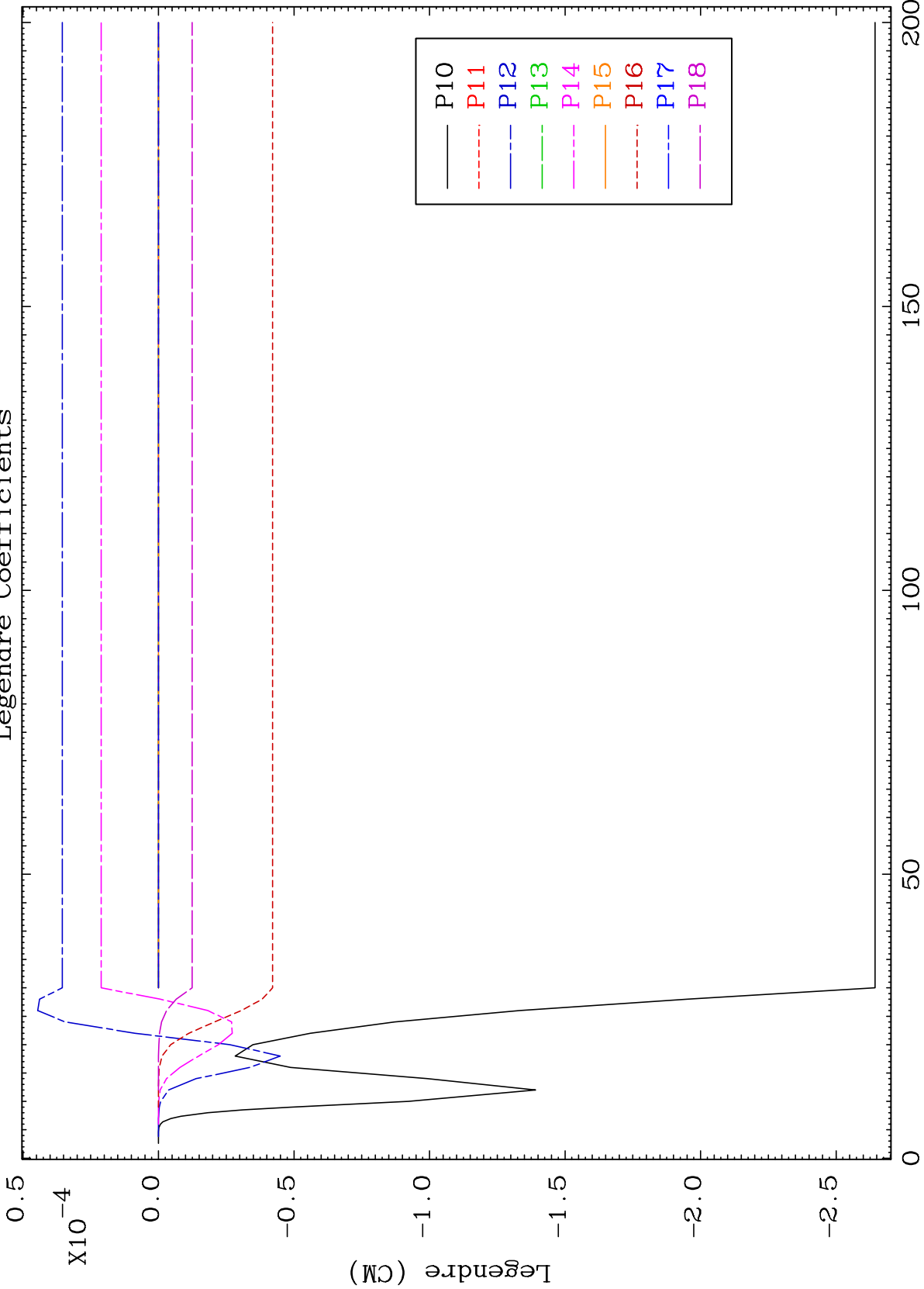


MAT 5125

MT= 74 (n,n') Level

51-Sb-121

Legendre Coefficients



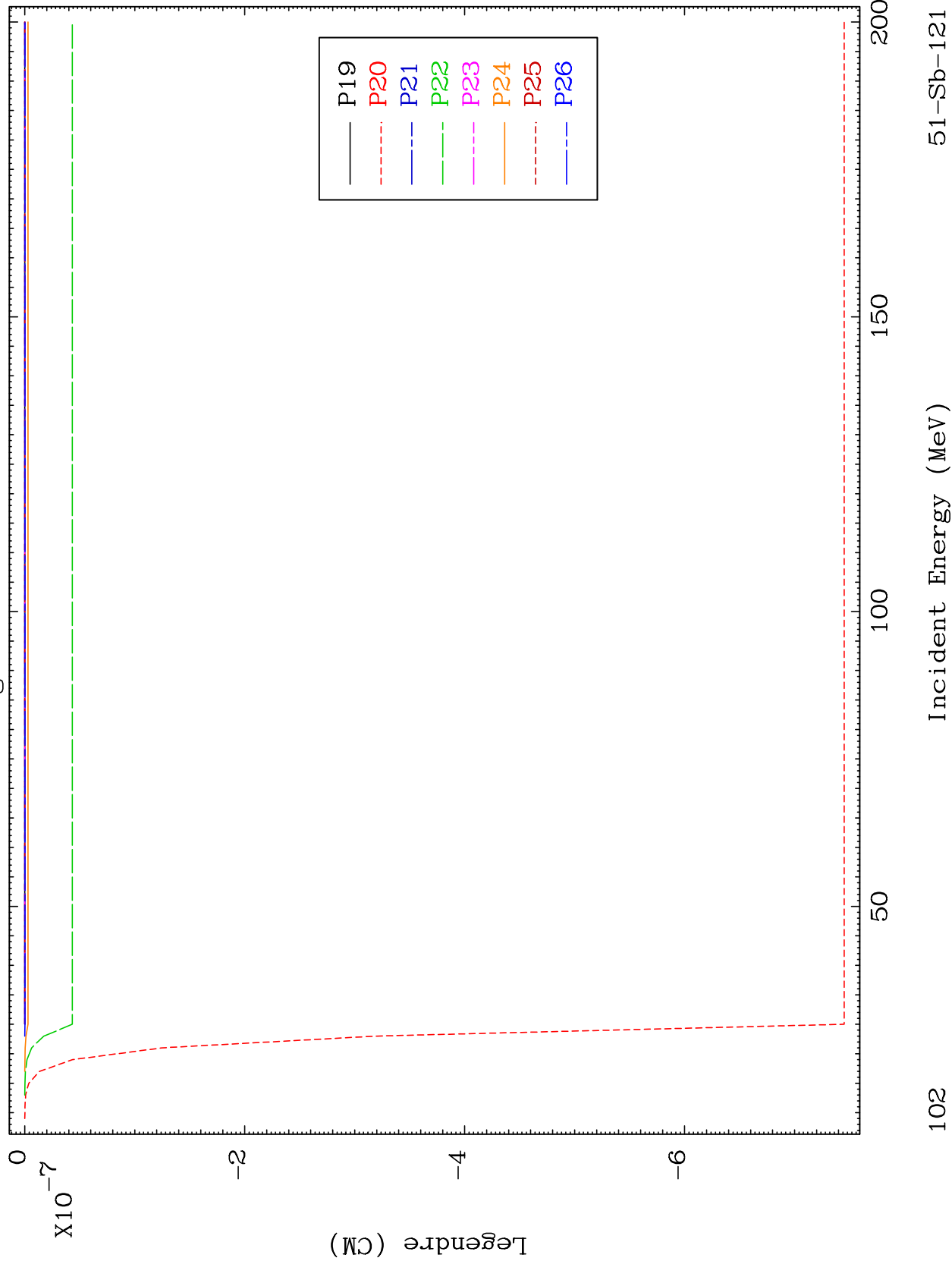
101

51-Sb-121

MAT 5125

MT= 74 (n,n') Level
Legendre Coefficients

51-Sb-121



102

Incident Energy (MeV)

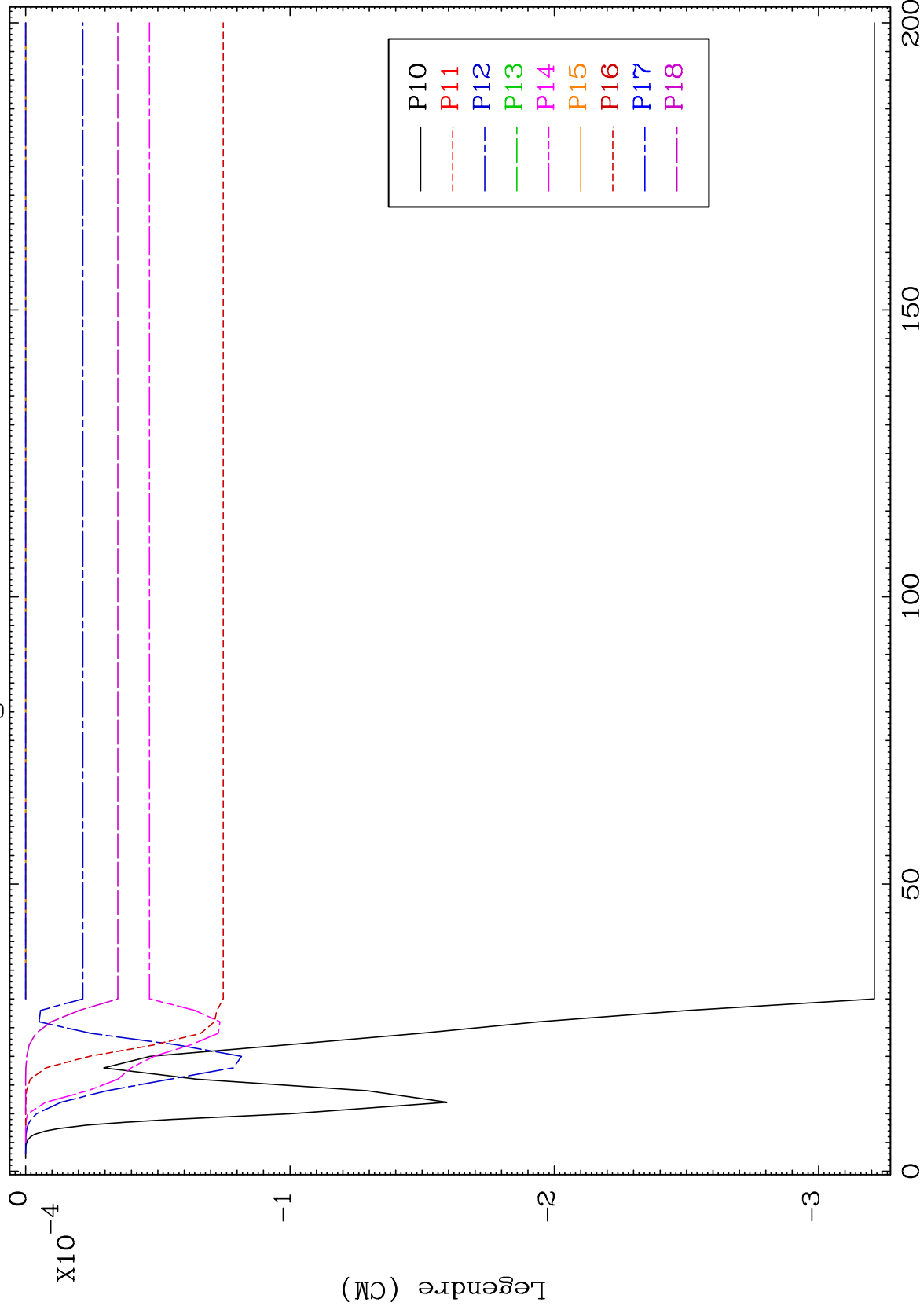
51-Sb-121

MAT 5125

MT= 75 (n,n') Level

51-Sb-121

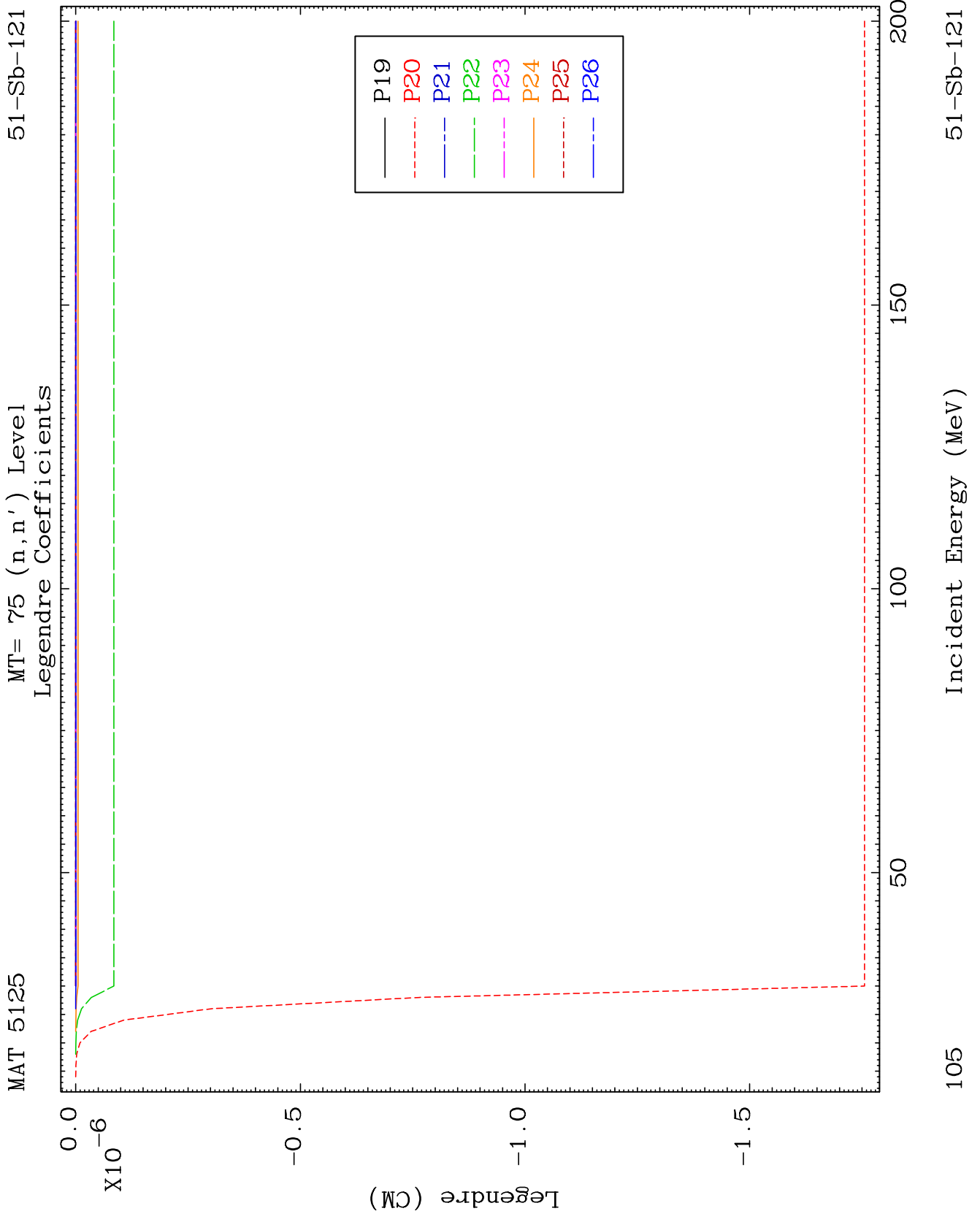
Legendre Coefficients



104

Incident Energy (MeV)

51-Sb-121

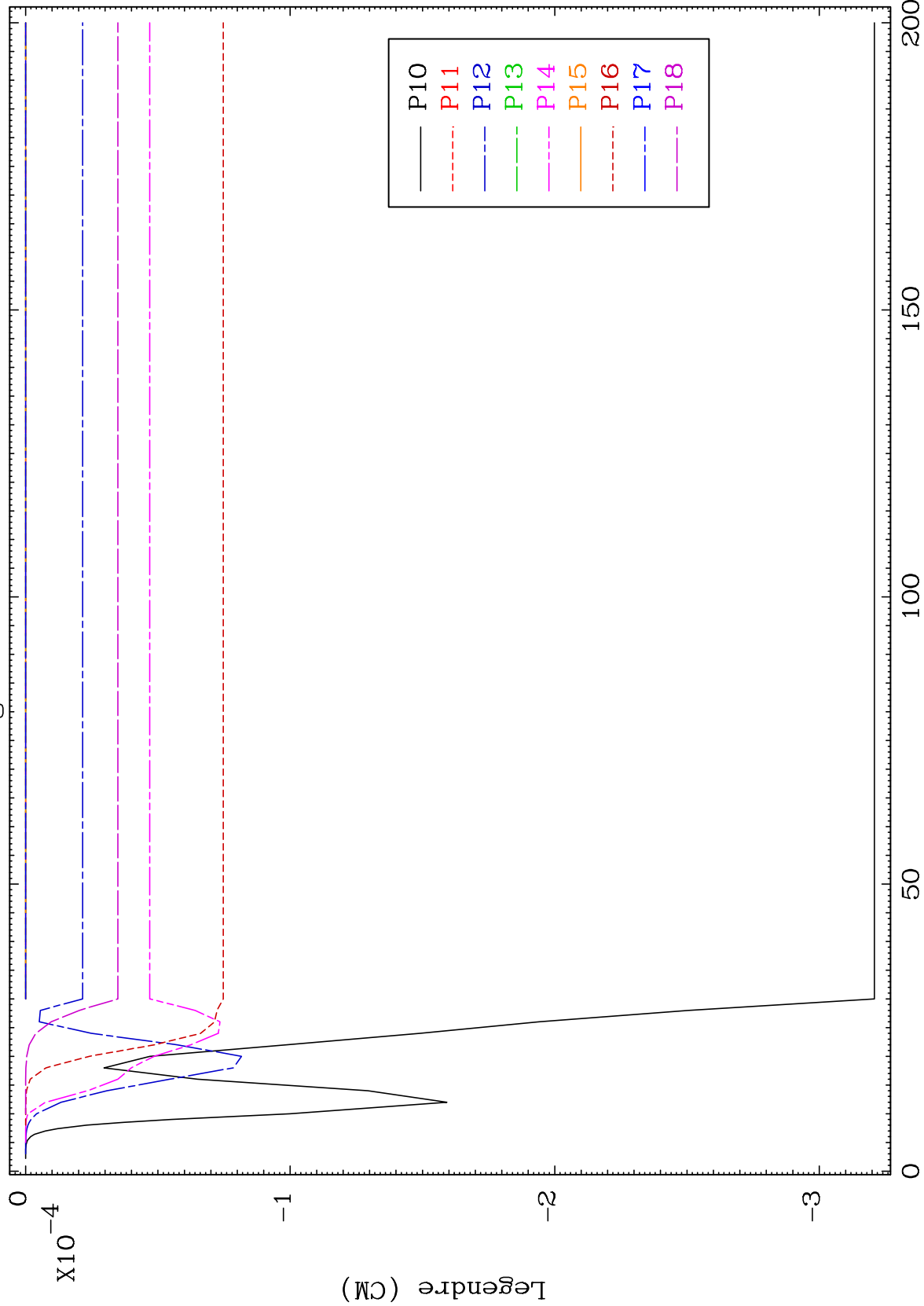


MAT 5125

MT= 76 (n,n') Level

51-Sb-121

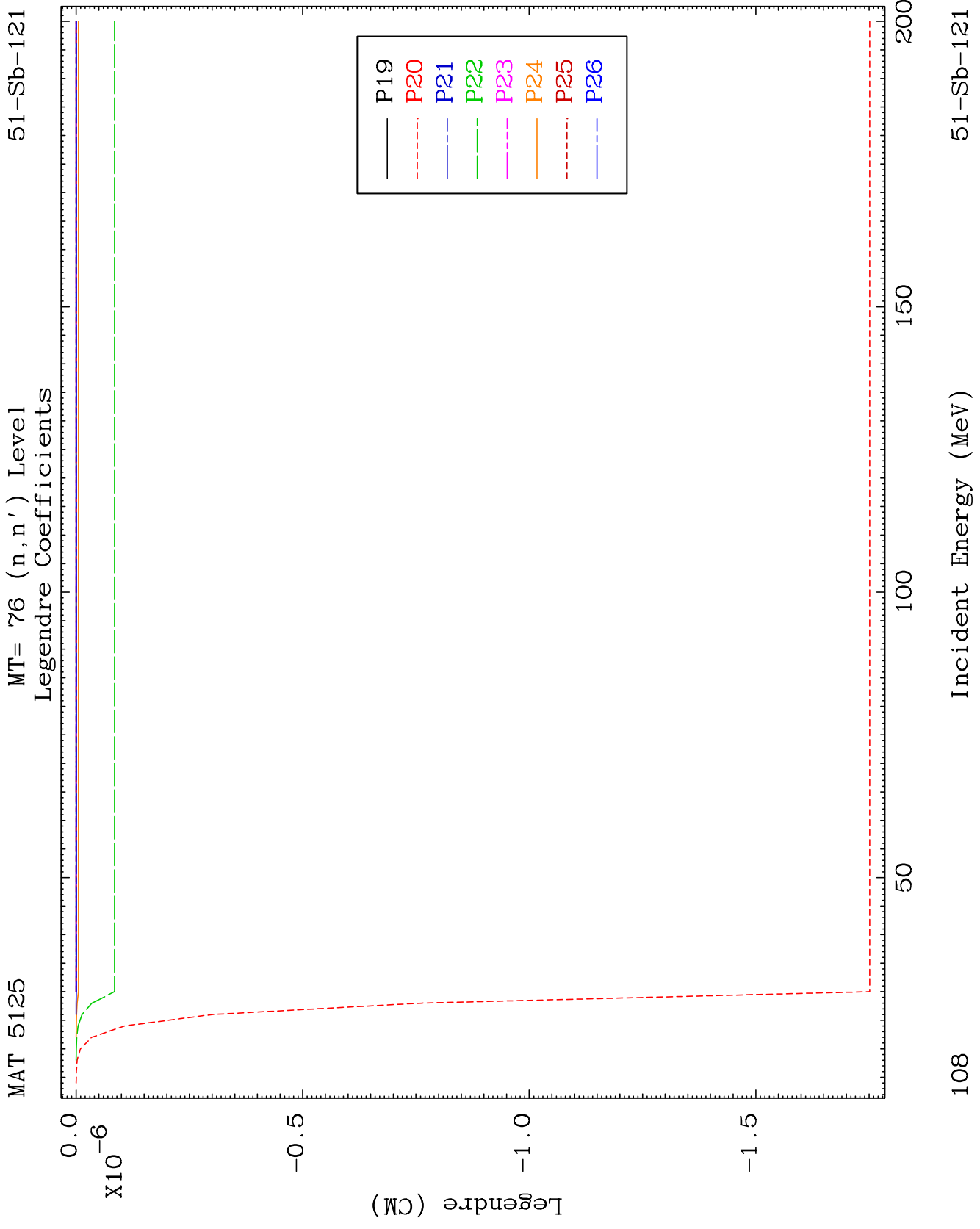
Legendre Coefficients



107

Incident Energy (MeV)

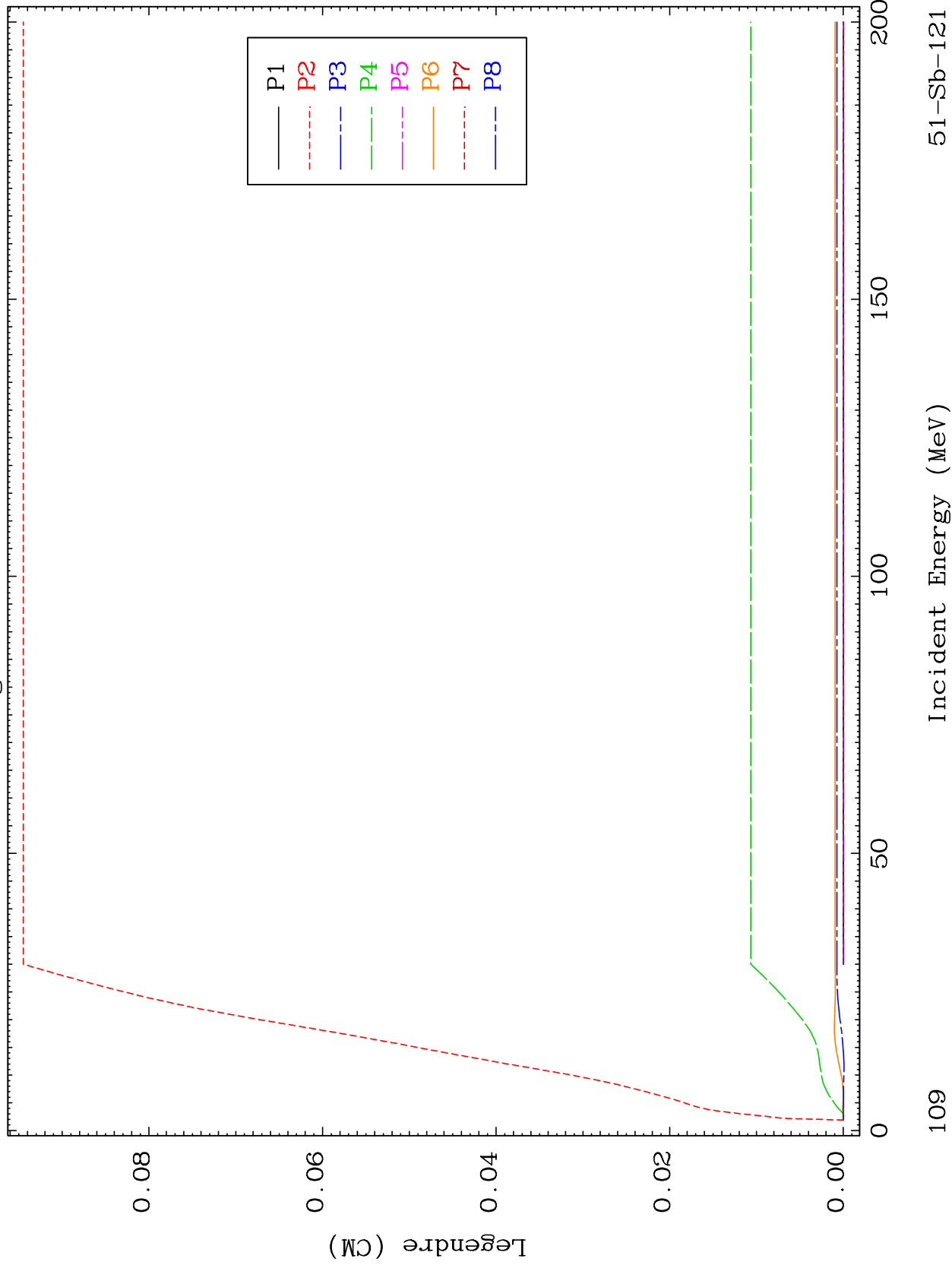
51-Sb-121



MAT 5125

MT= 77 (n,n') Level
Legendre Coefficients

51-Sb-121



51-Sb-121

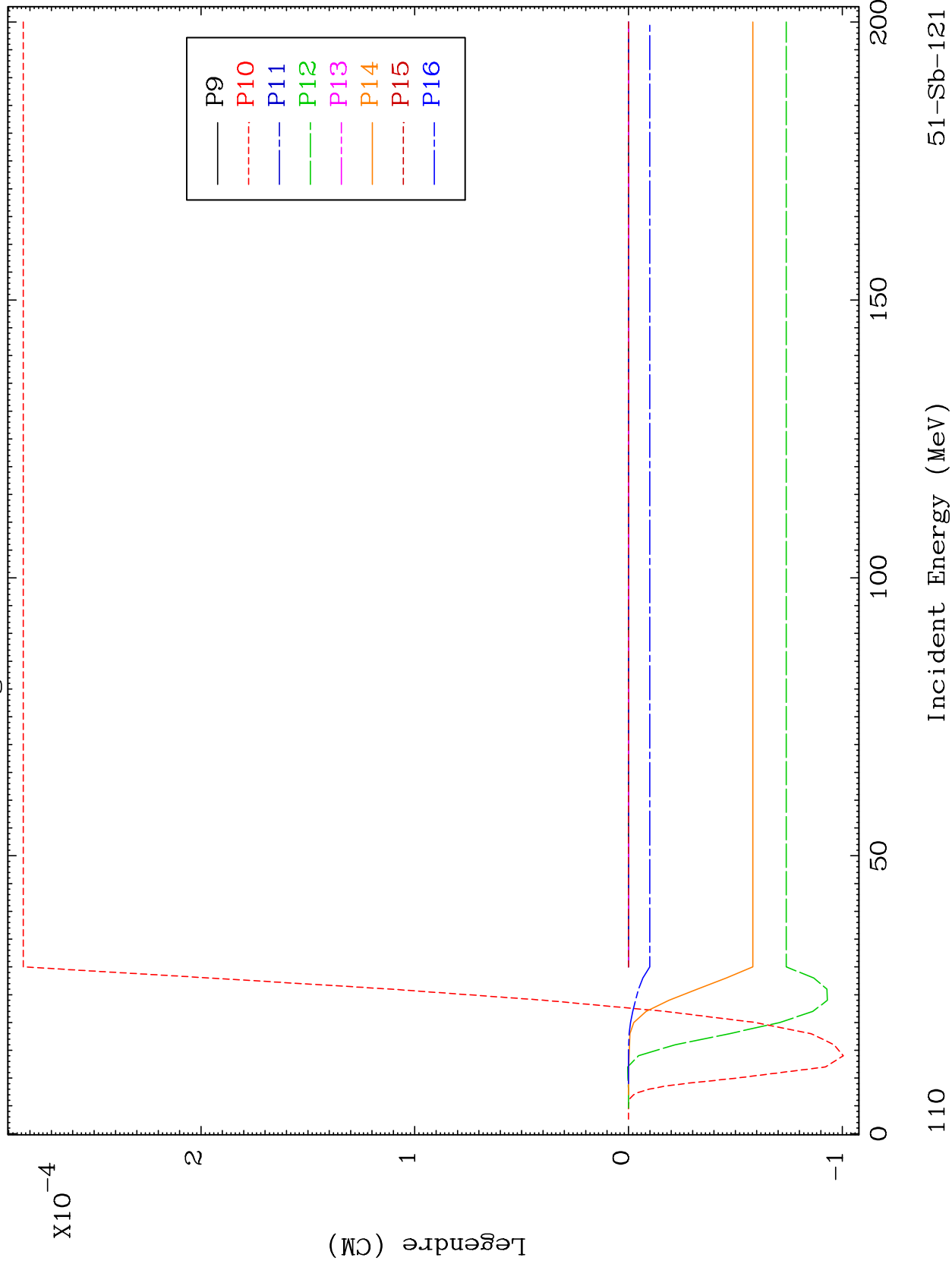
Incident Energy (MeV)

109

MAT 5125

MT= 77 (n,n') Level
Legendre Coefficients

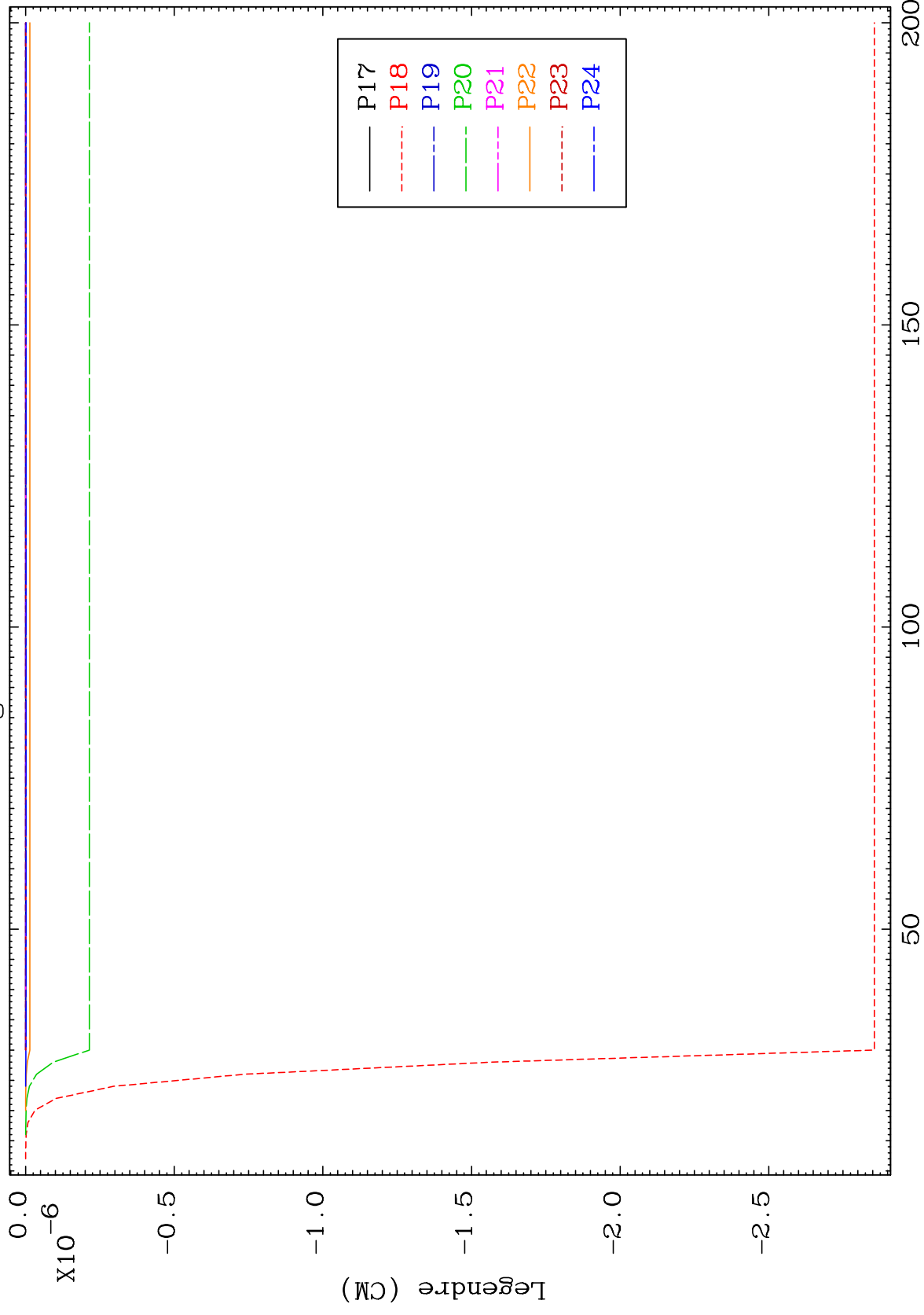
51-Sb-121



MAT 5125

MT= 77 (n,n') Level
Legendre Coefficients

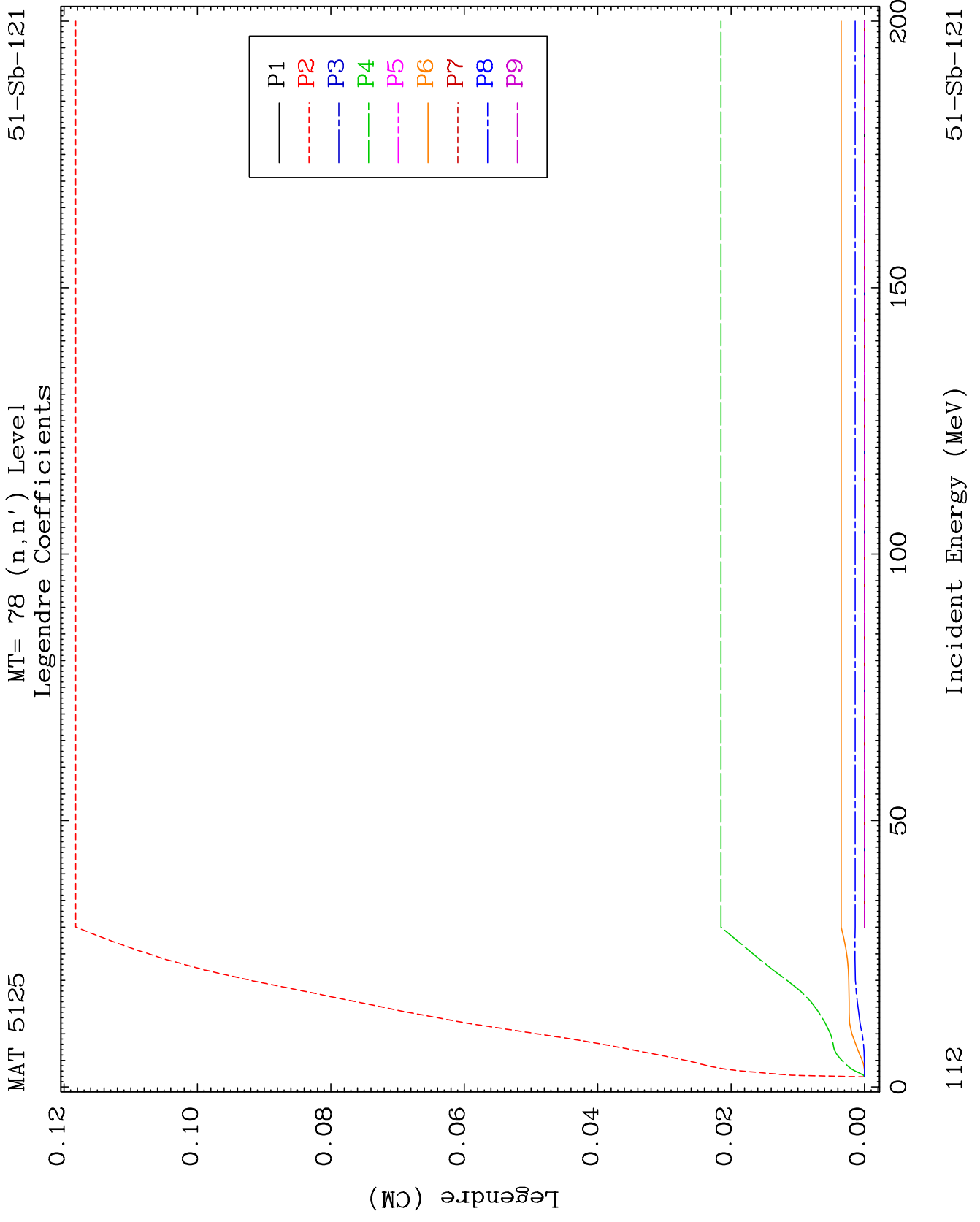
51-Sb-121



111

Incident Energy (MeV)

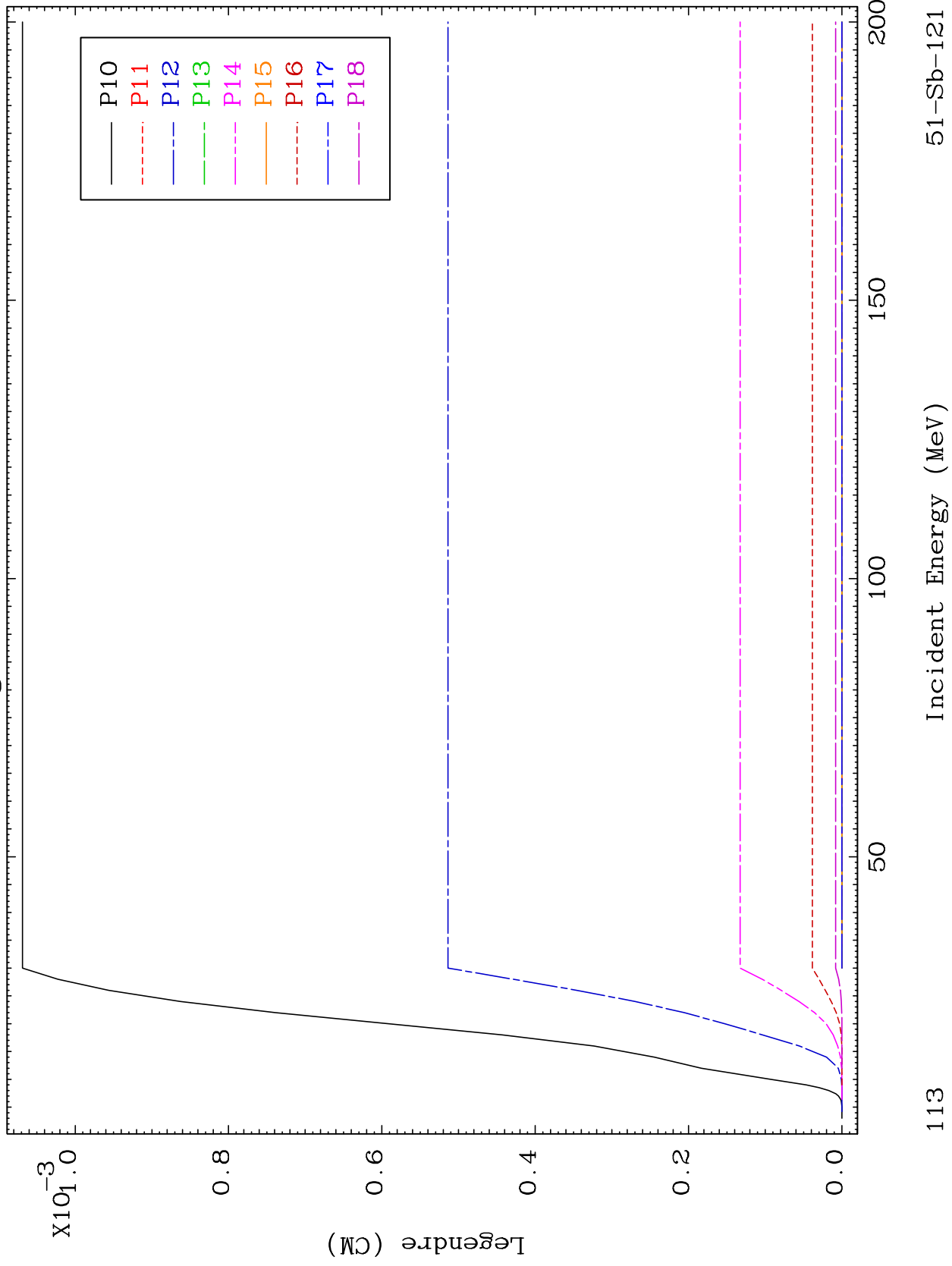
51-Sb-121



MAT 5125

MT= 78 (n,n') Level
Legendre Coefficients

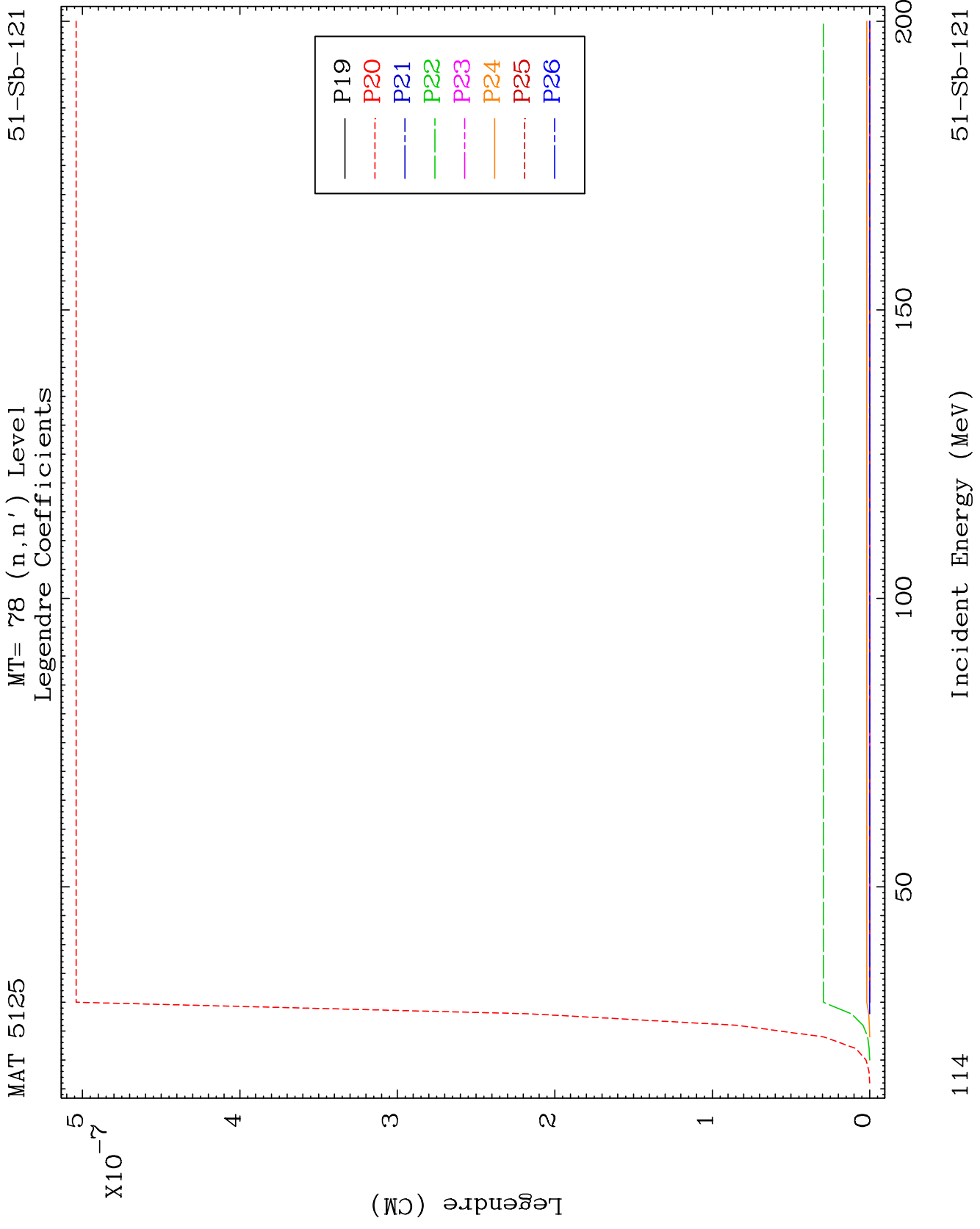
51-Sb-121

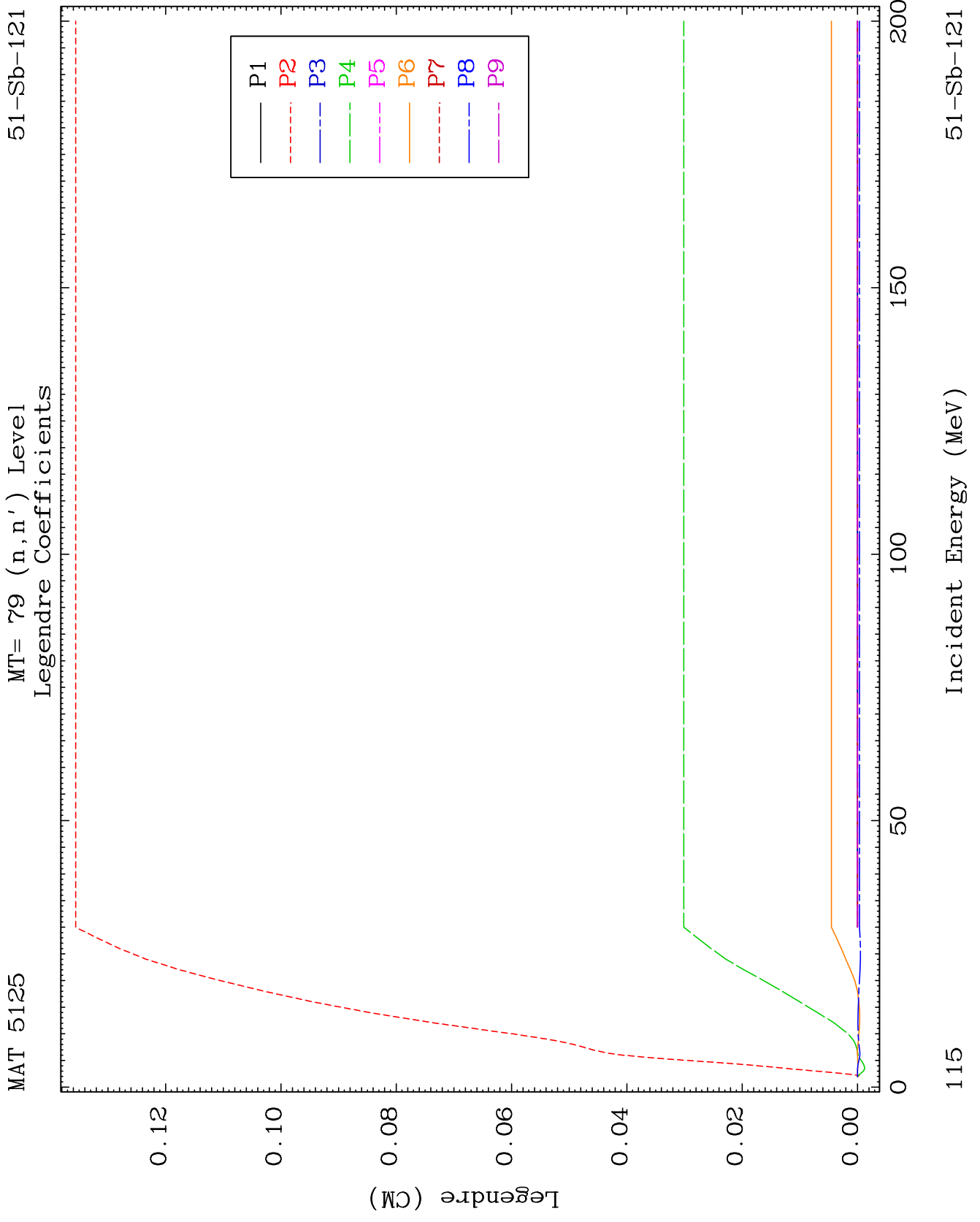


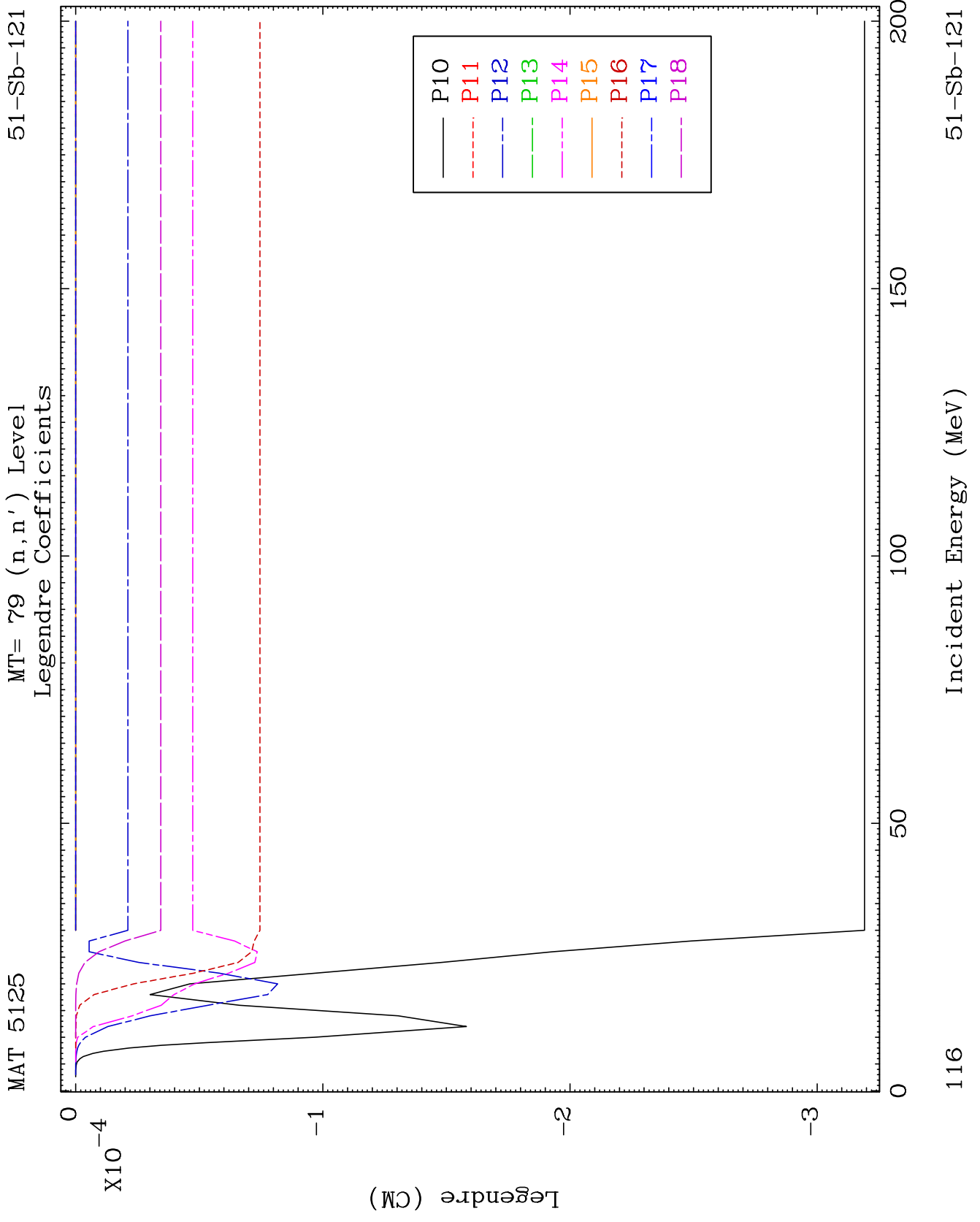
113

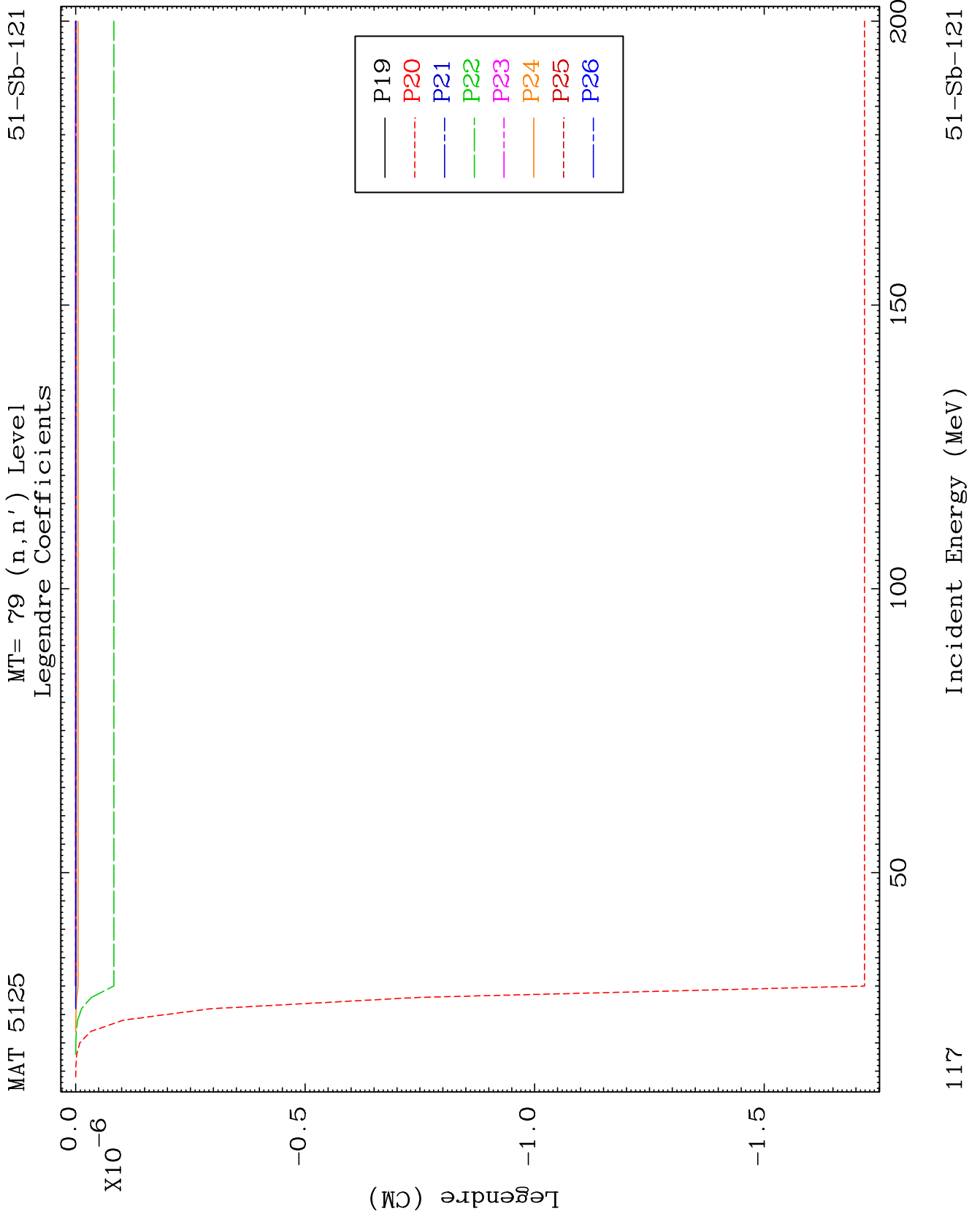
Incident Energy (MeV)

51-Sb-121





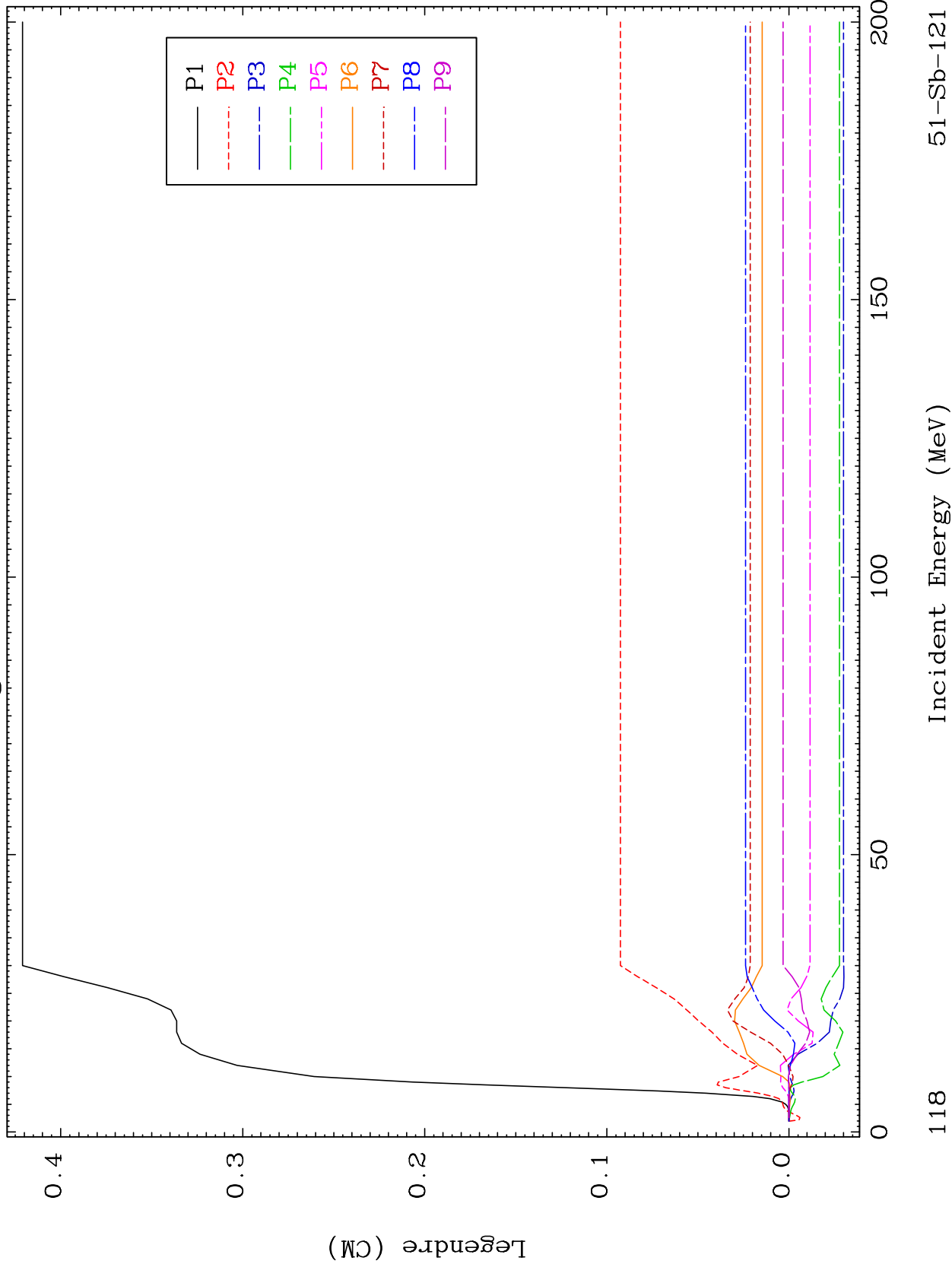




MAT 5125

MT= 80 (n,n') Level
Legendre Coefficients

51-Sb-121



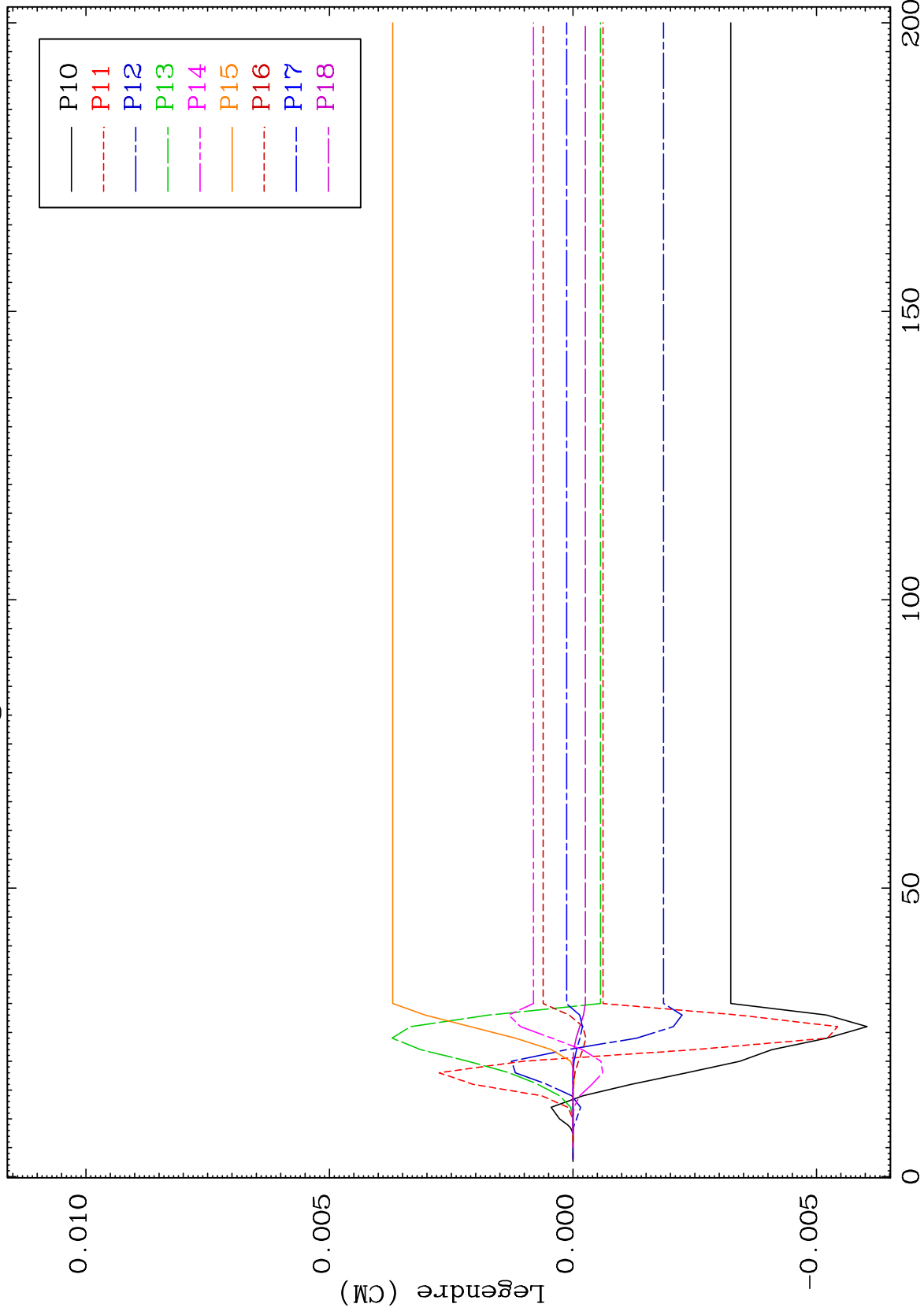
118

51-Sb-121

MAT 5125

MT= 80 (n,n') Level
Legendre Coefficients

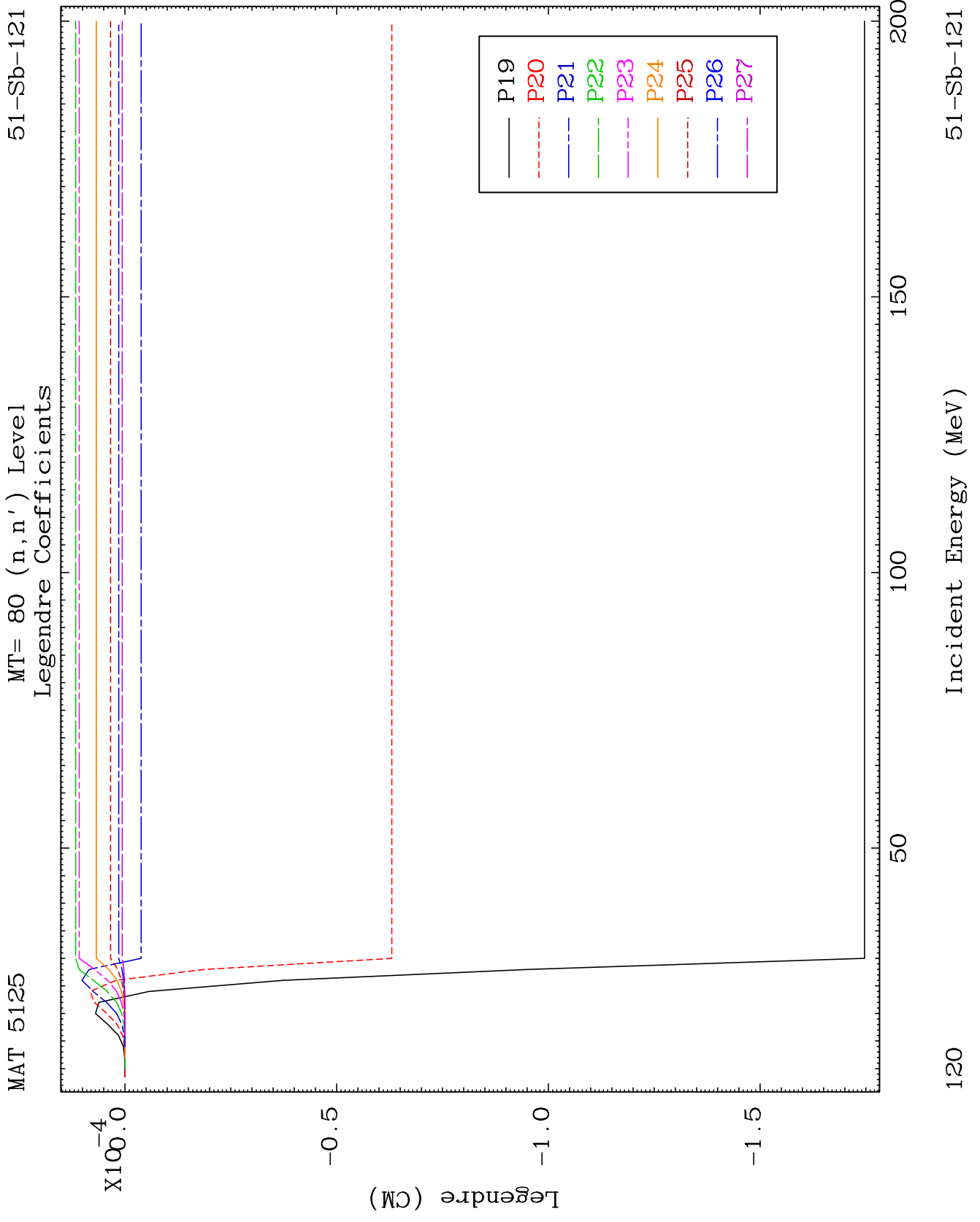
51-Sb-121



119

Incident Energy (MeV)

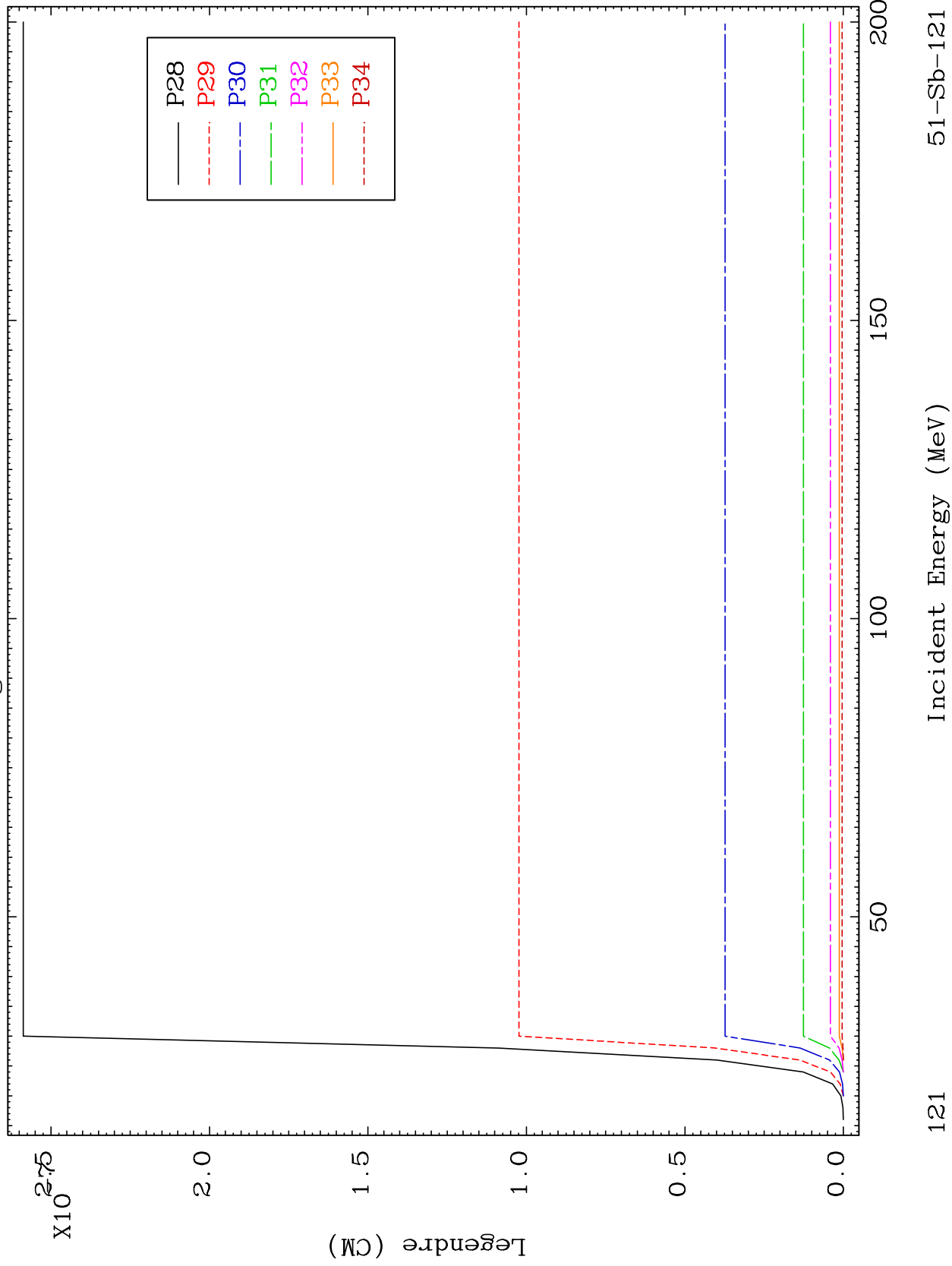
51-Sb-121



MAT 5125

MT= 80 (n,n') Level
Legendre Coefficients

51-Sb-121



121

Incident Energy (MeV)

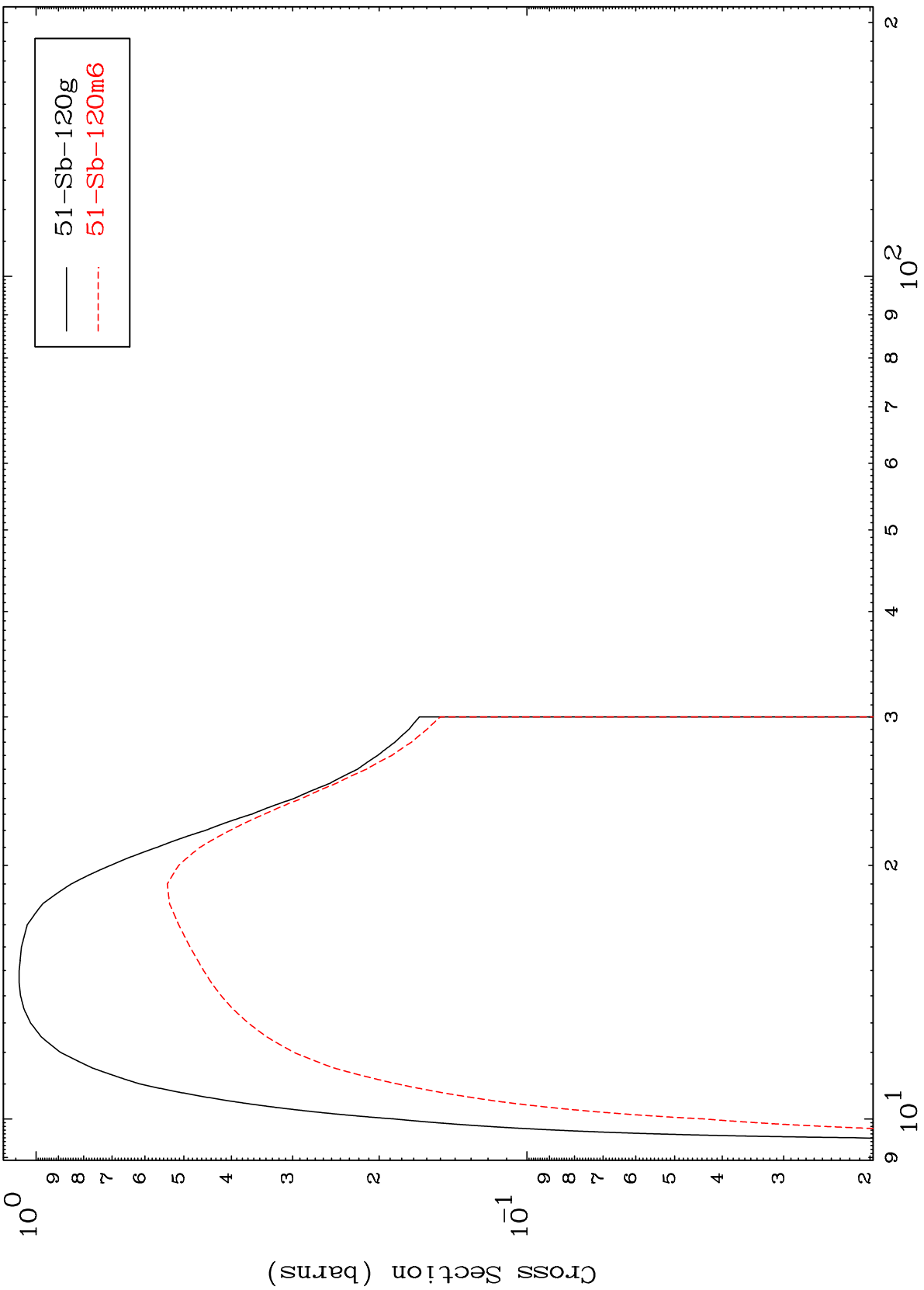
51-Sb-121

MAT 5125

51-Sb-121

(n,2n)

Radionuclide Production Cross Section



51-Sb-121

Incident Energy (MeV)

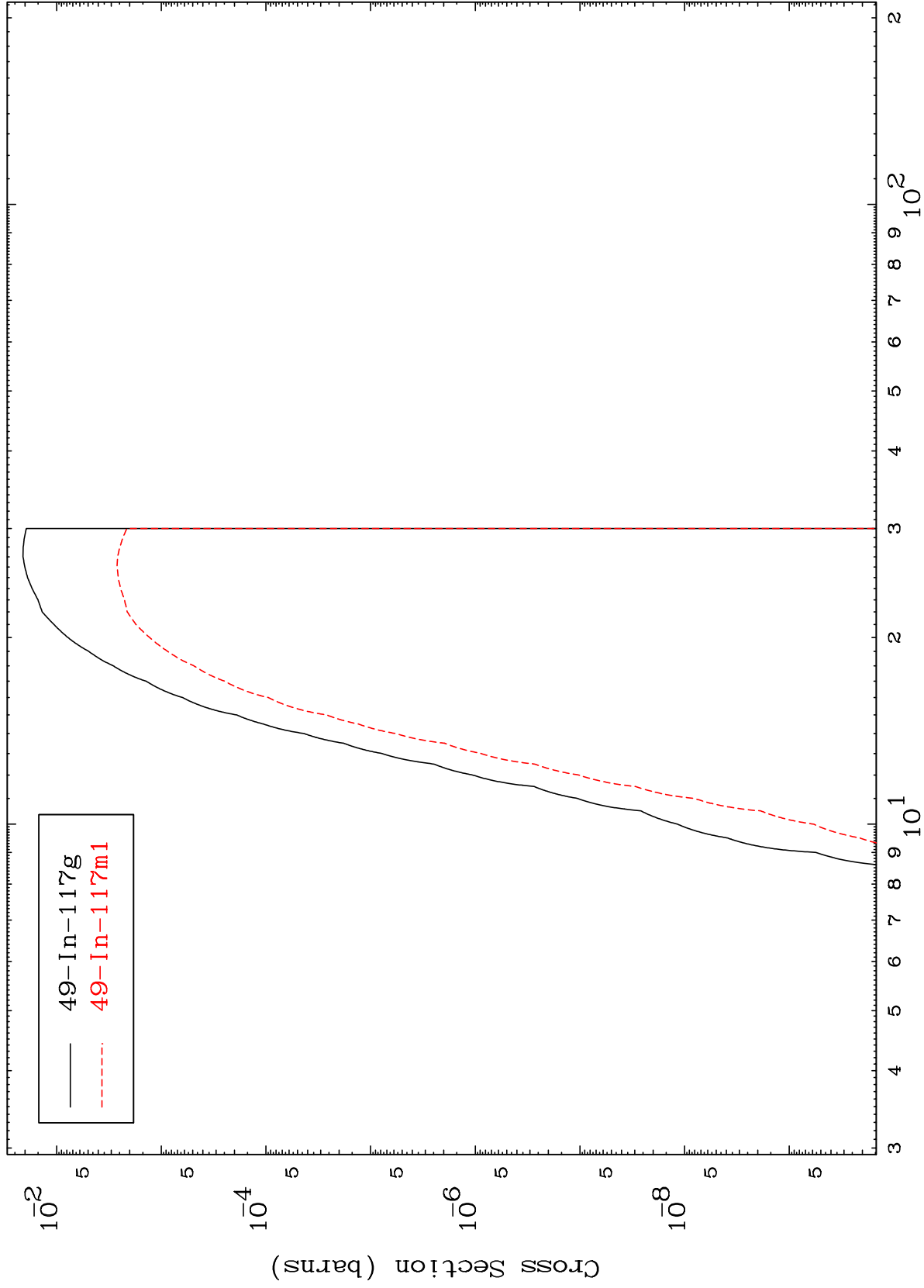
122

MAT 5125

$(n, n') \alpha$

51-Sb-121

Radionuclide Production Cross Section

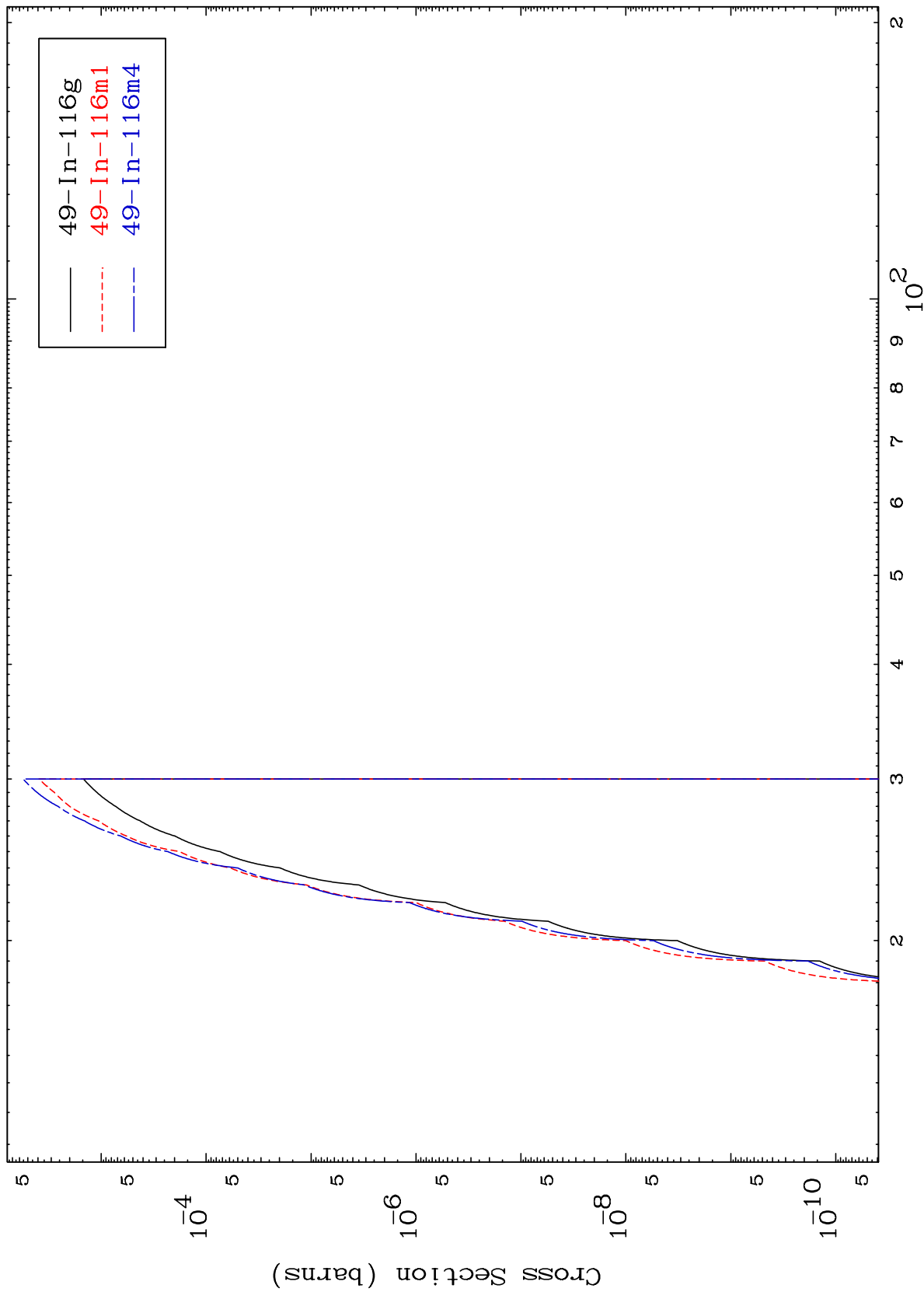


123

Incident Energy (MeV)

51-Sb-121

Radionuclide Production Cross Section

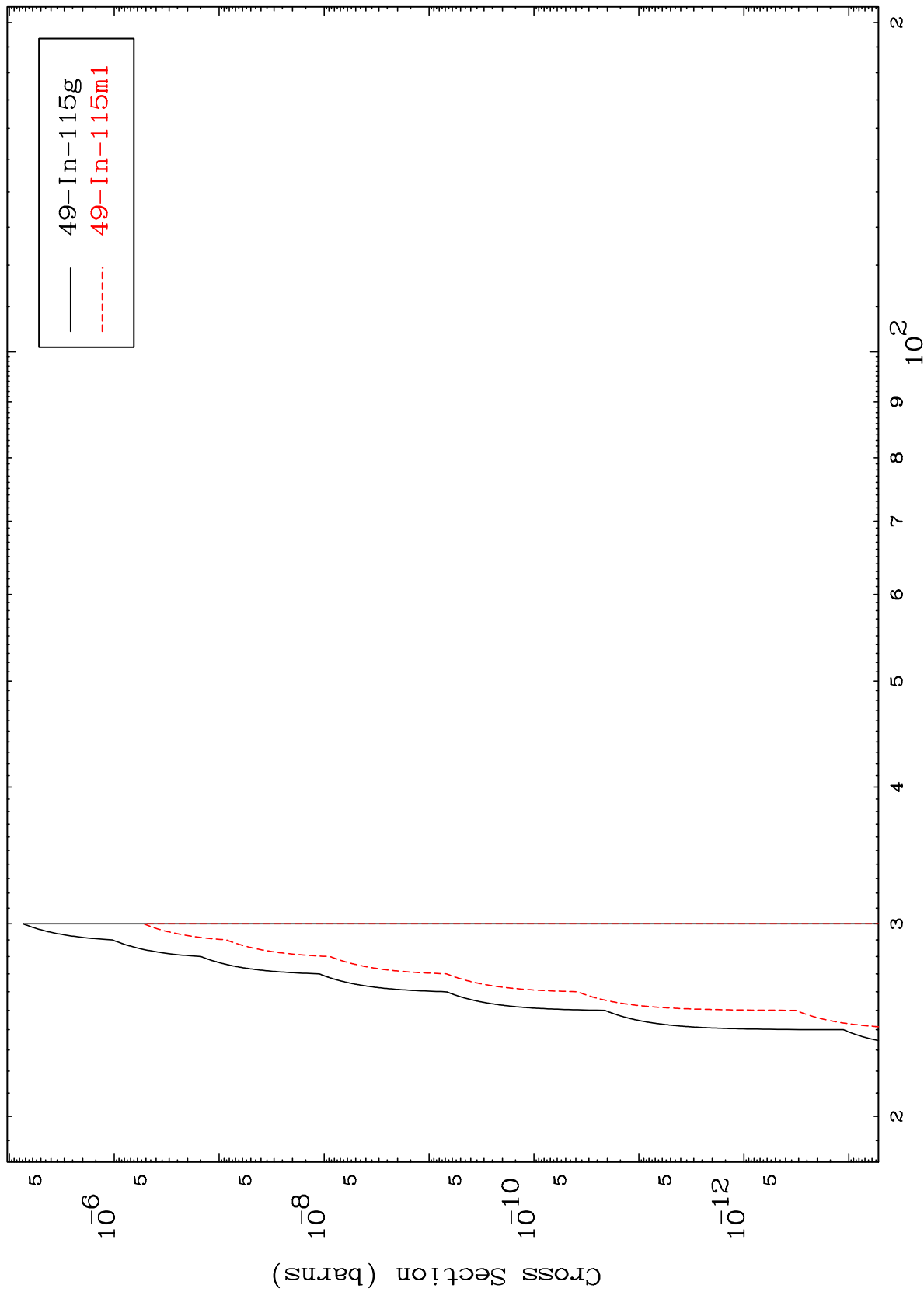


MAT 5125

(n,3n) α

51-Sb-121

Radionuclide Production Cross Section



125

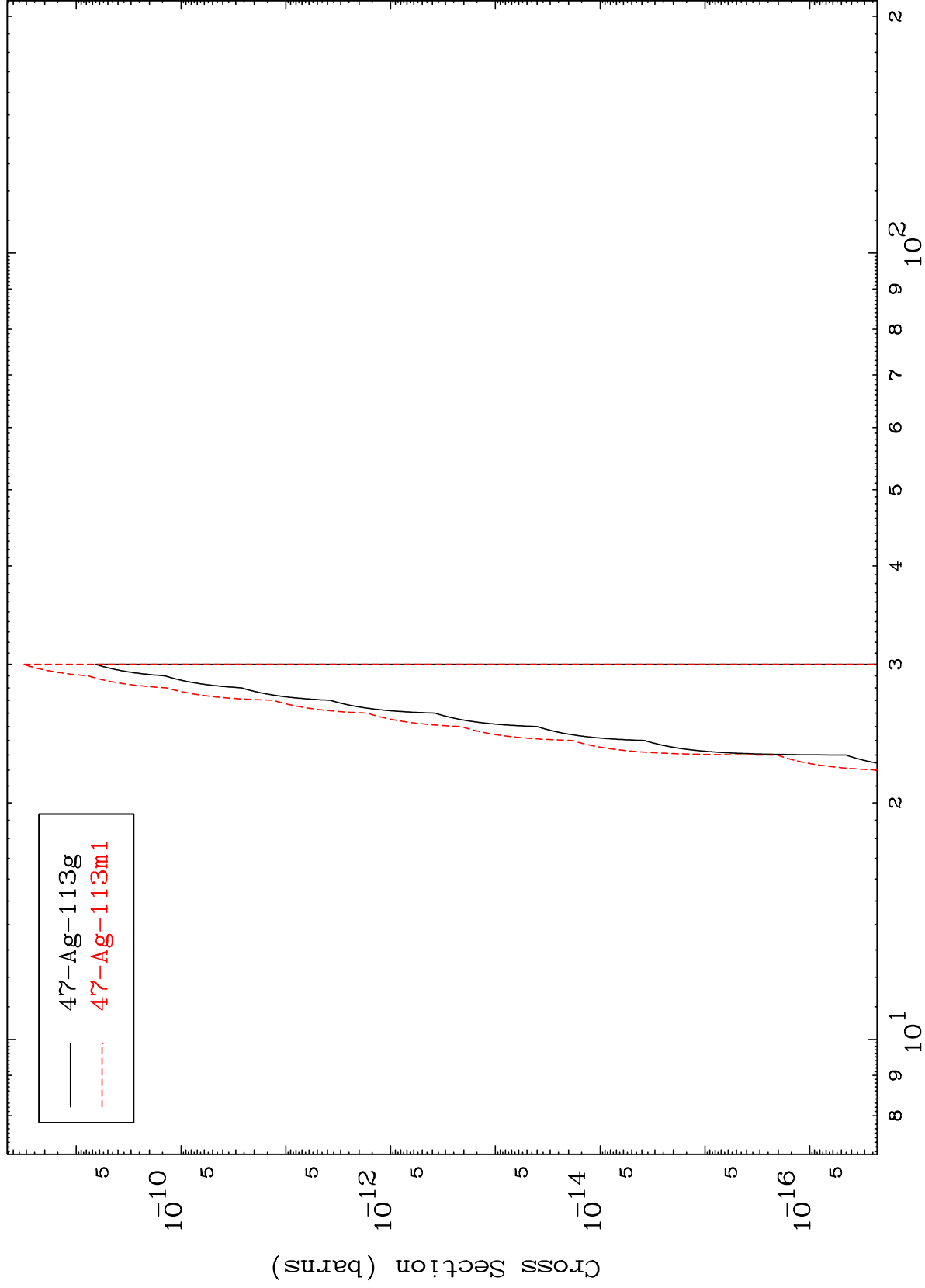
Incident Energy (MeV)

51-Sb-121

MAT 5125

51-Sb-121

(n,n') 2 α
Radionuclide Production Cross Section



51-Sb-121

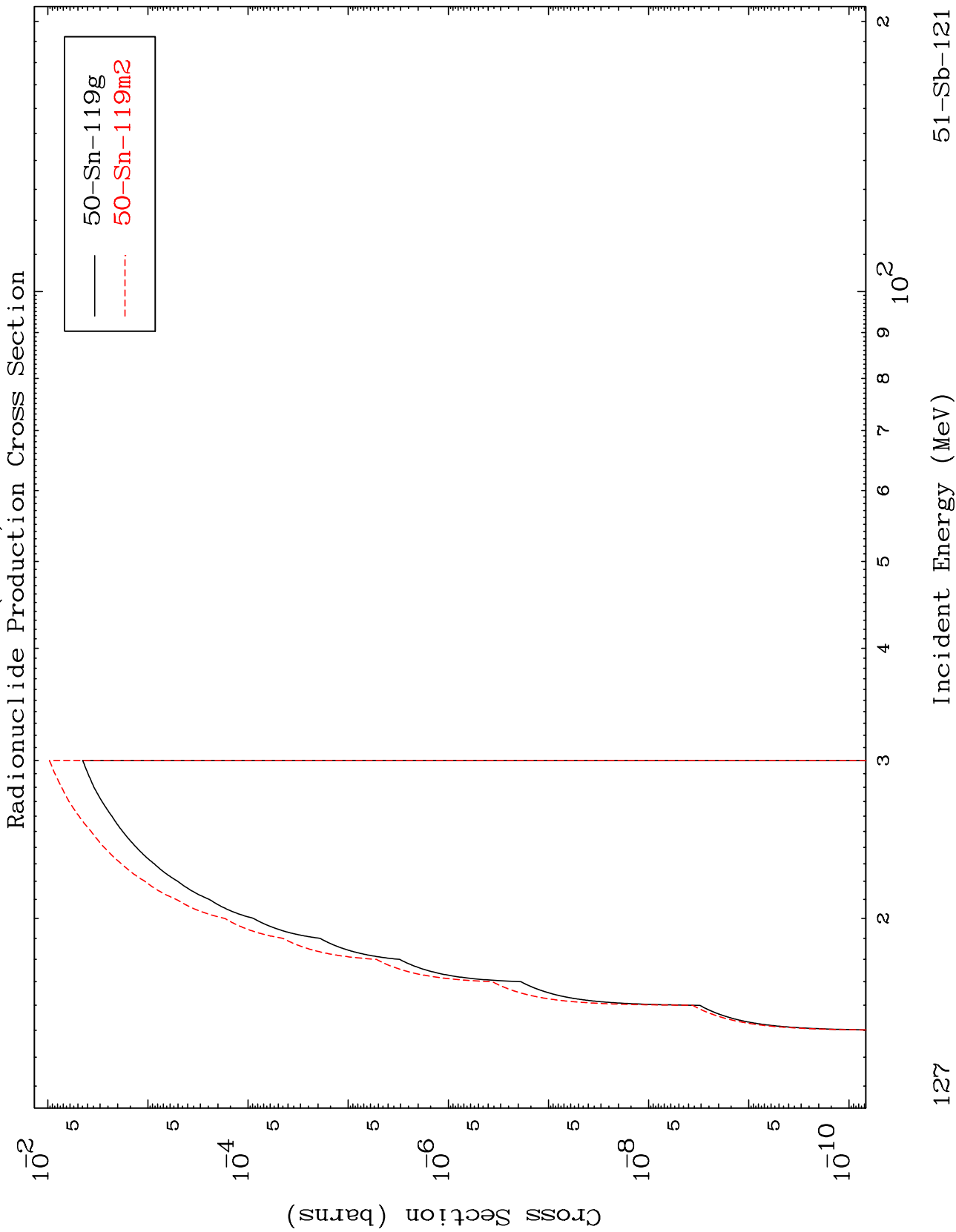
Incident Energy (MeV)

126

MAT 5125

(n,n') d

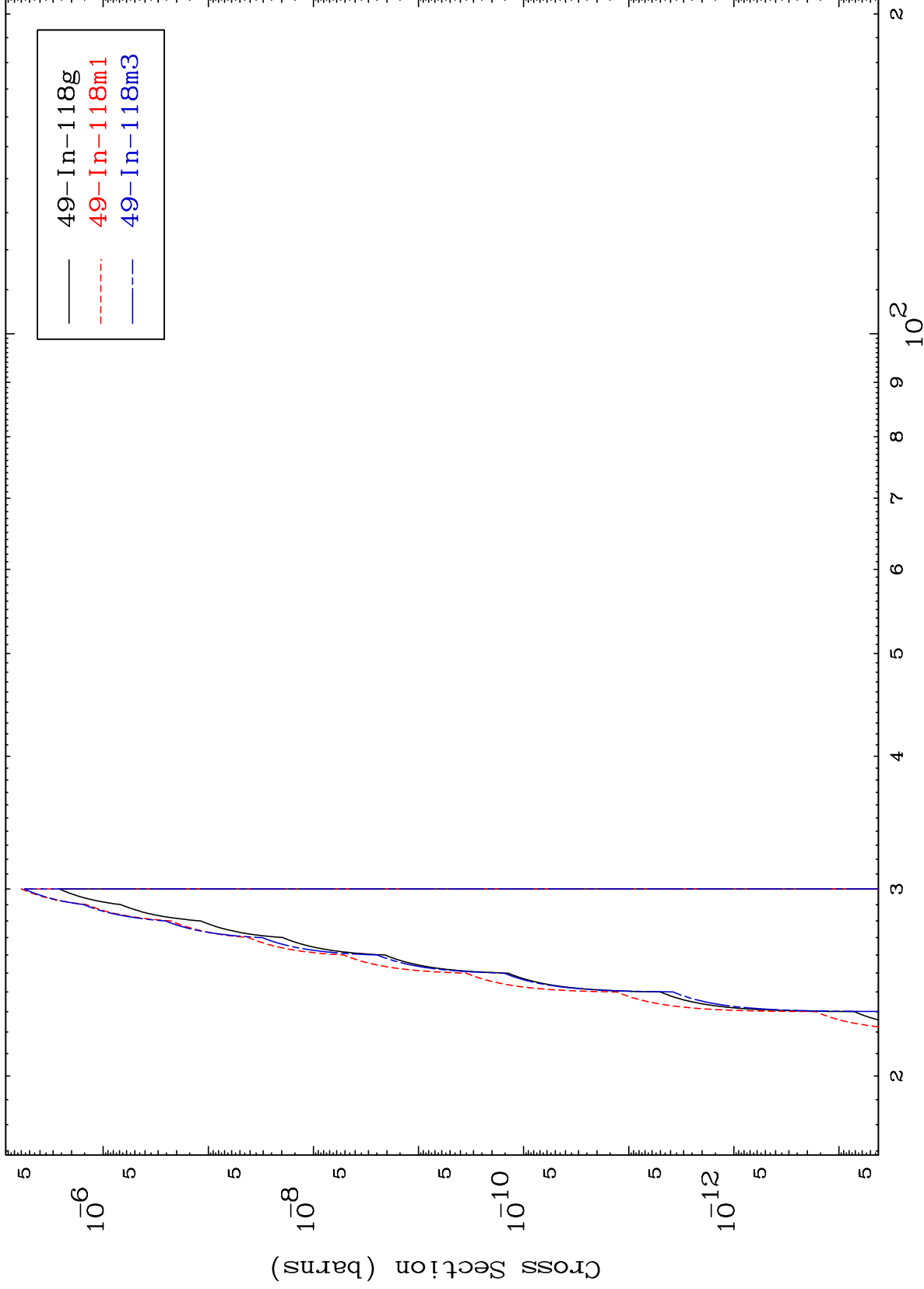
51-Sb-121



127

51-Sb-121

Radionuclide Production Cross Section

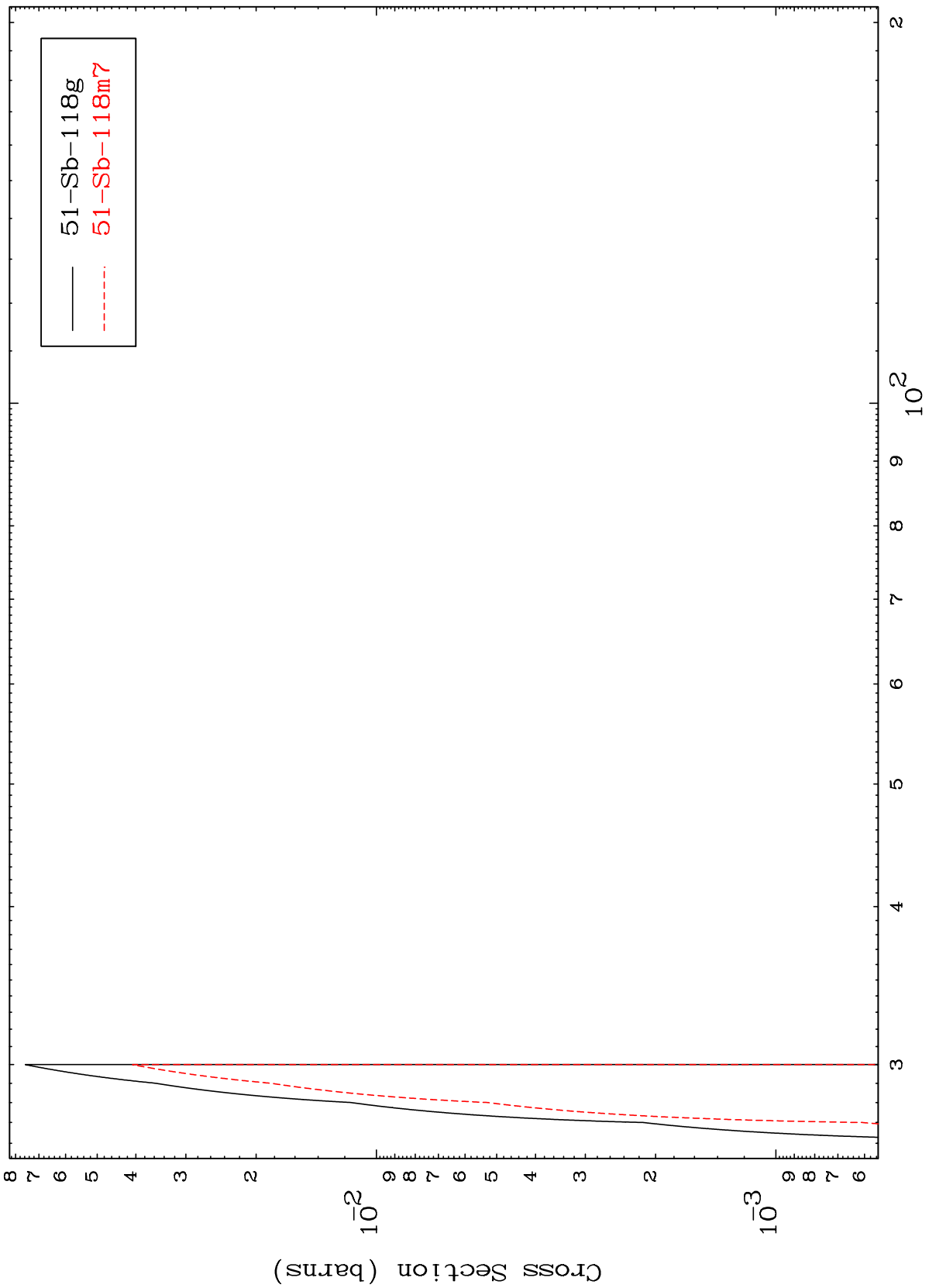


MAT 5125

51-Sb-121

(n,4n)

Radionuclide Production Cross Section



129

Incident Energy (MeV)

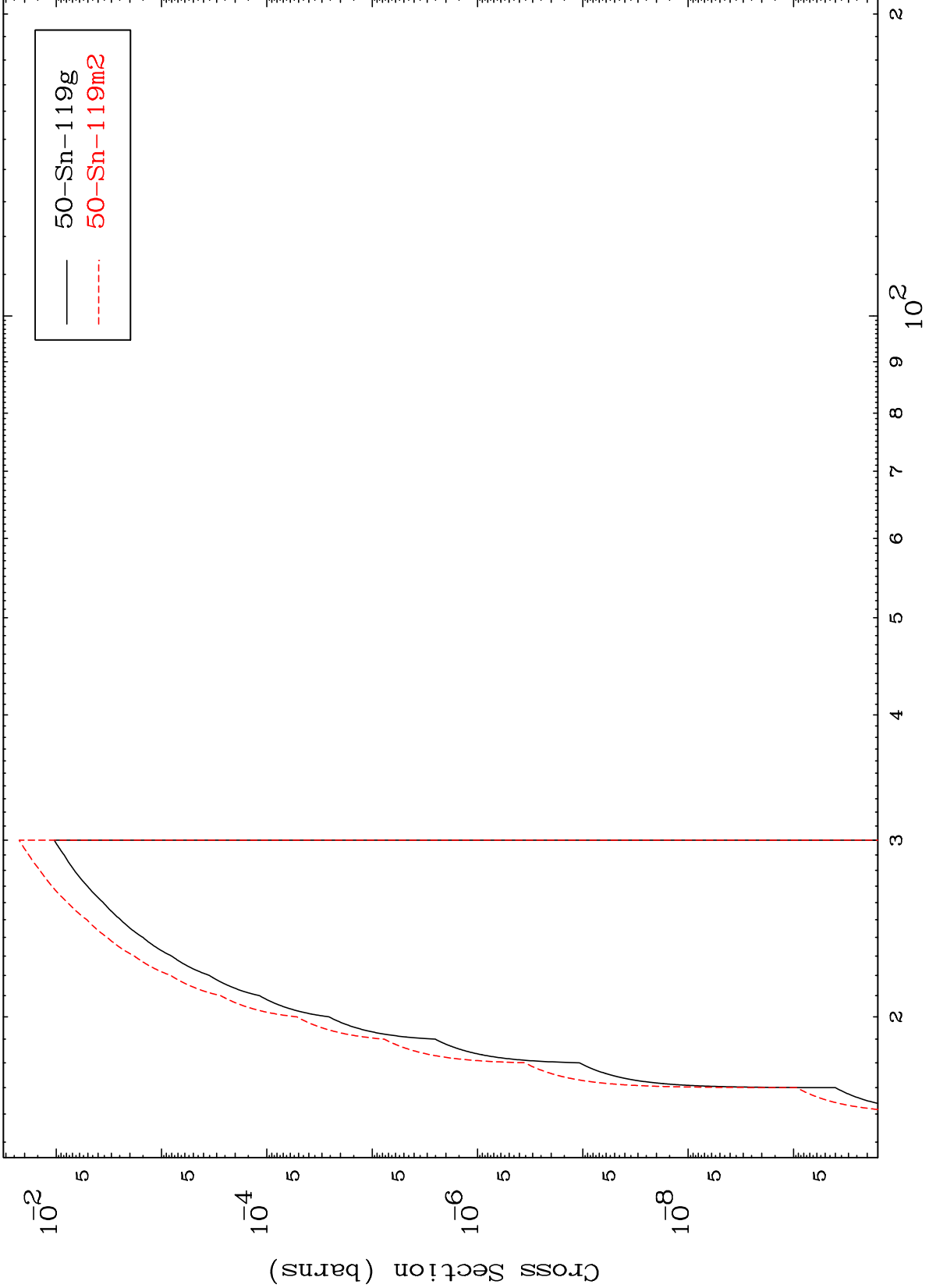
51-Sb-121

MAT 5125

(n,2n) p

51-Sb-121

Radionuclide Production Cross Section



50-Sn-119g
50-Sn-119m2

130

Incident Energy (MeV)

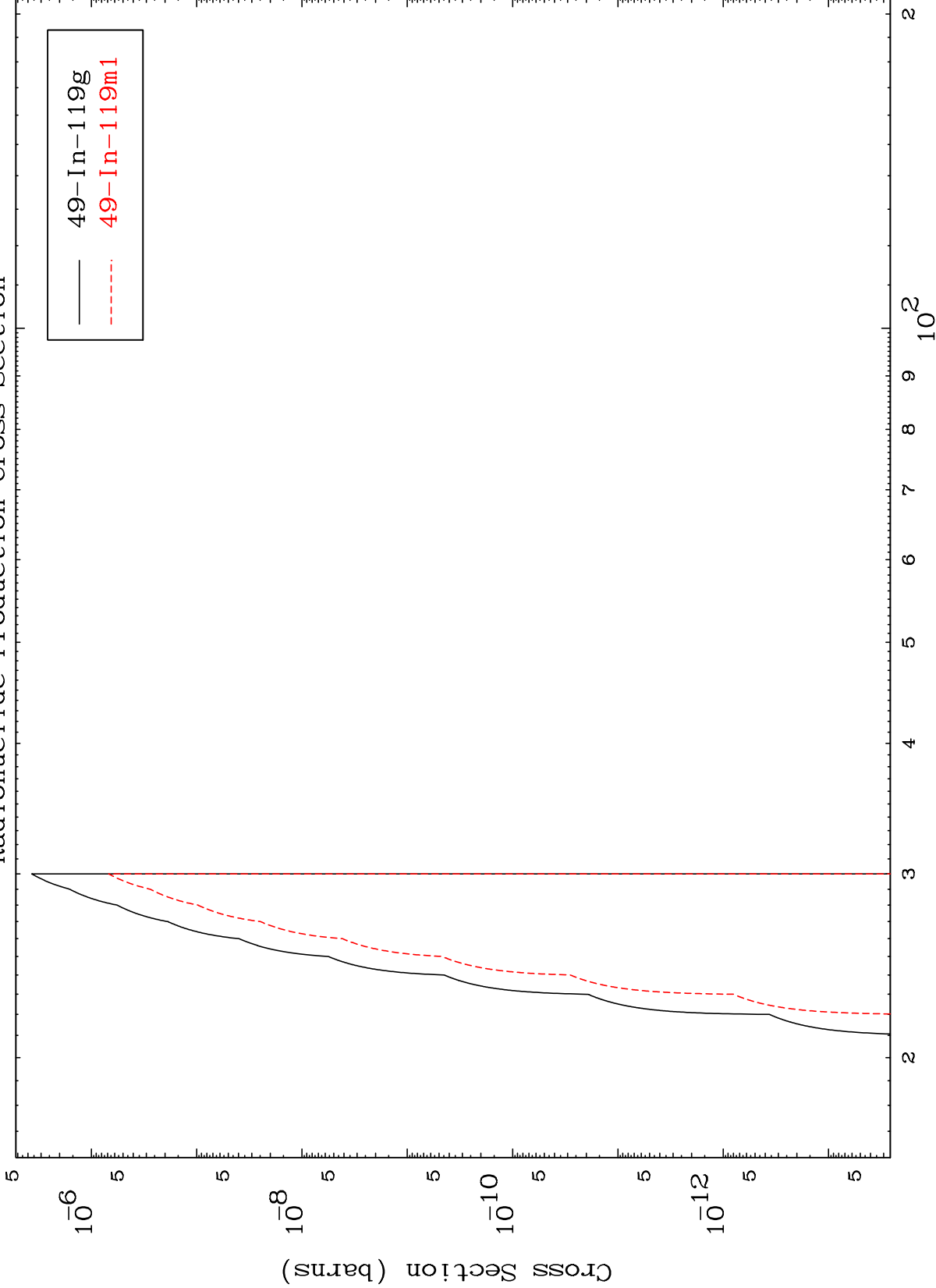
51-Sb-121

MAT 5125

(n,2n) p

51-Sb-121

Radionuclide Production Cross Section



49-In-119g
49-In-119m1

131

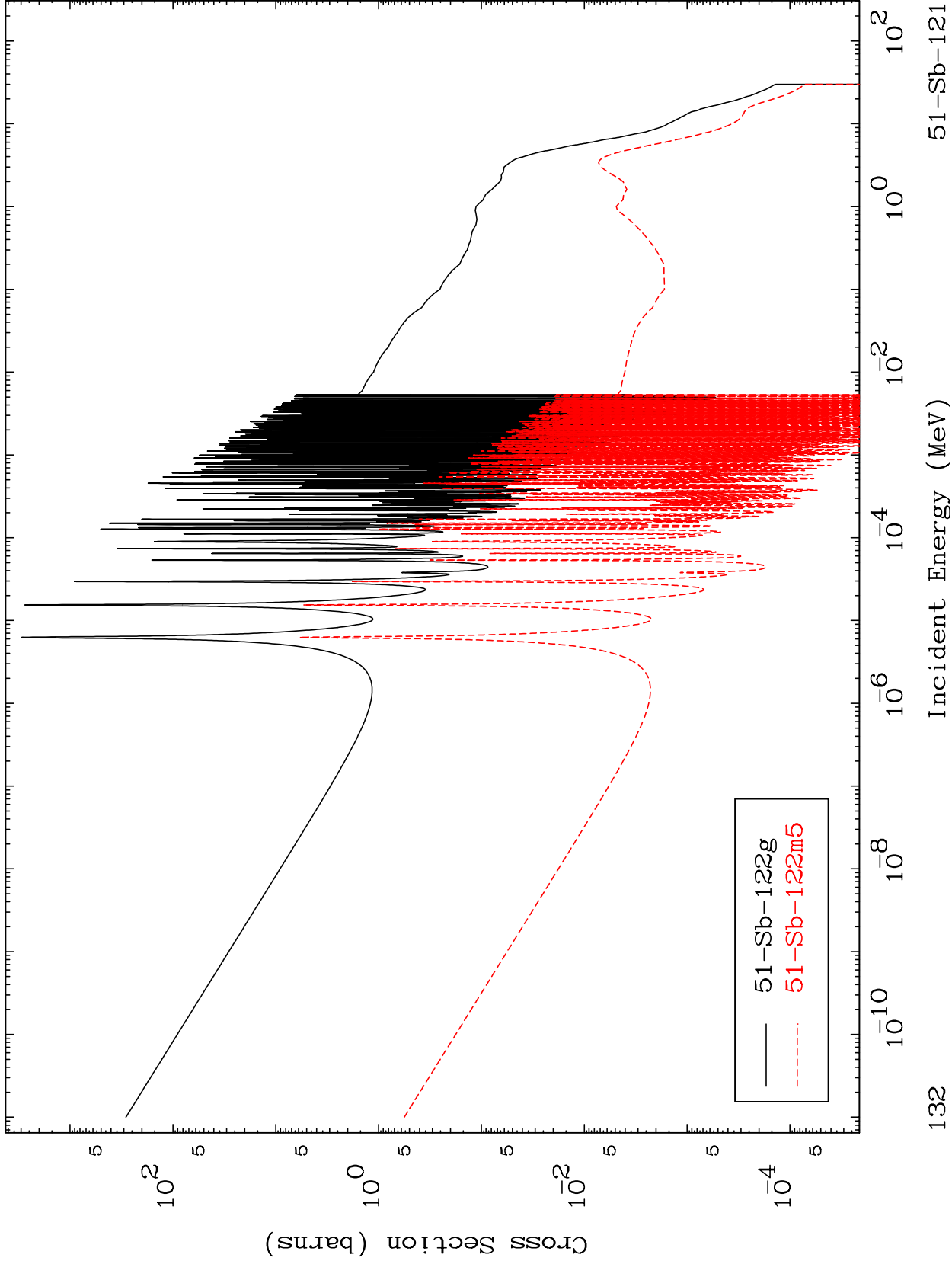
Incident Energy (MeV)

51-Sb-121

MAT 5125

51-Sb-121

(n, γ)
Radionuclide Production Cross Section



132

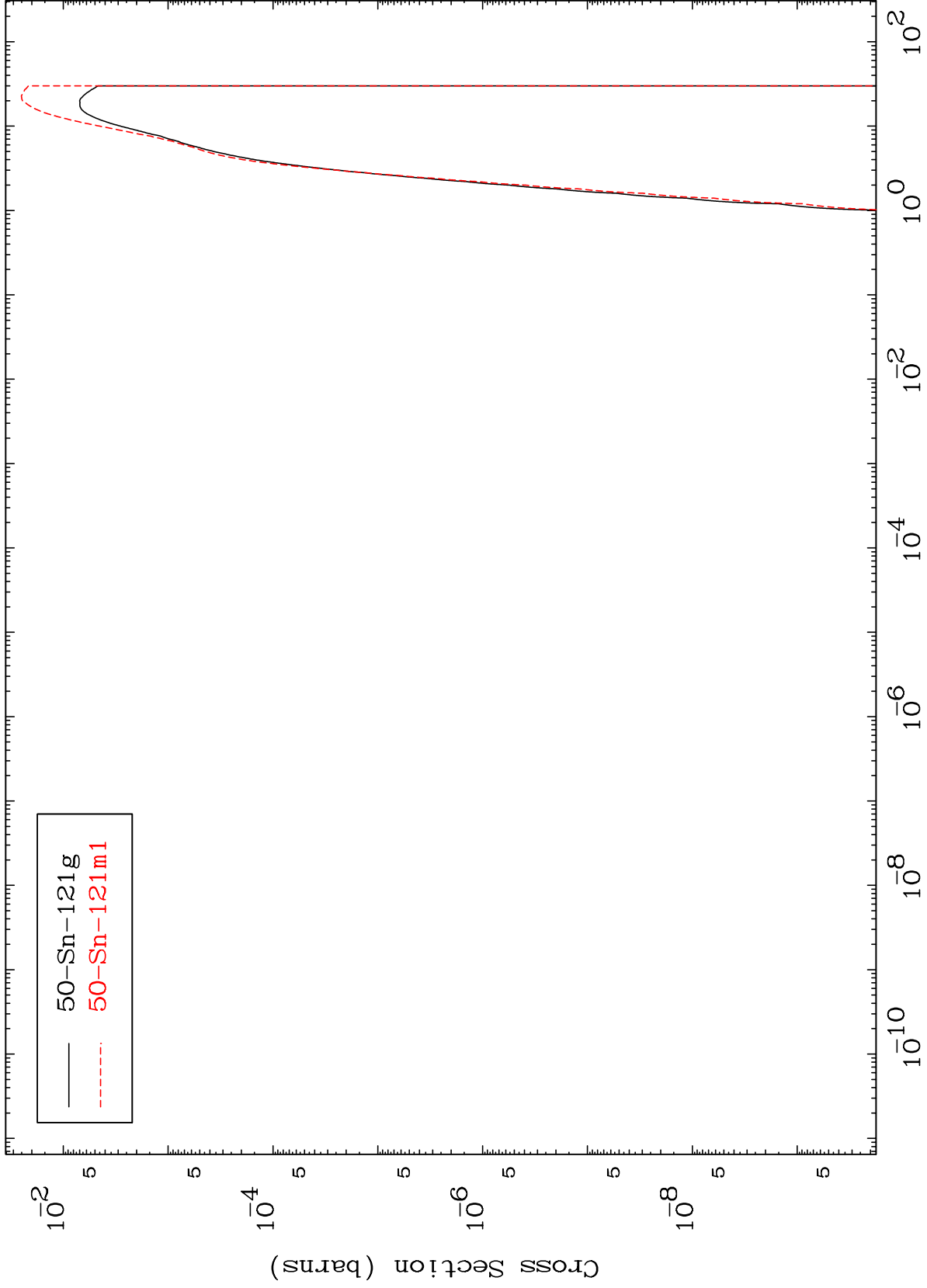
51-Sb-121

MAT 5125

(n,p)

51-Sb-121

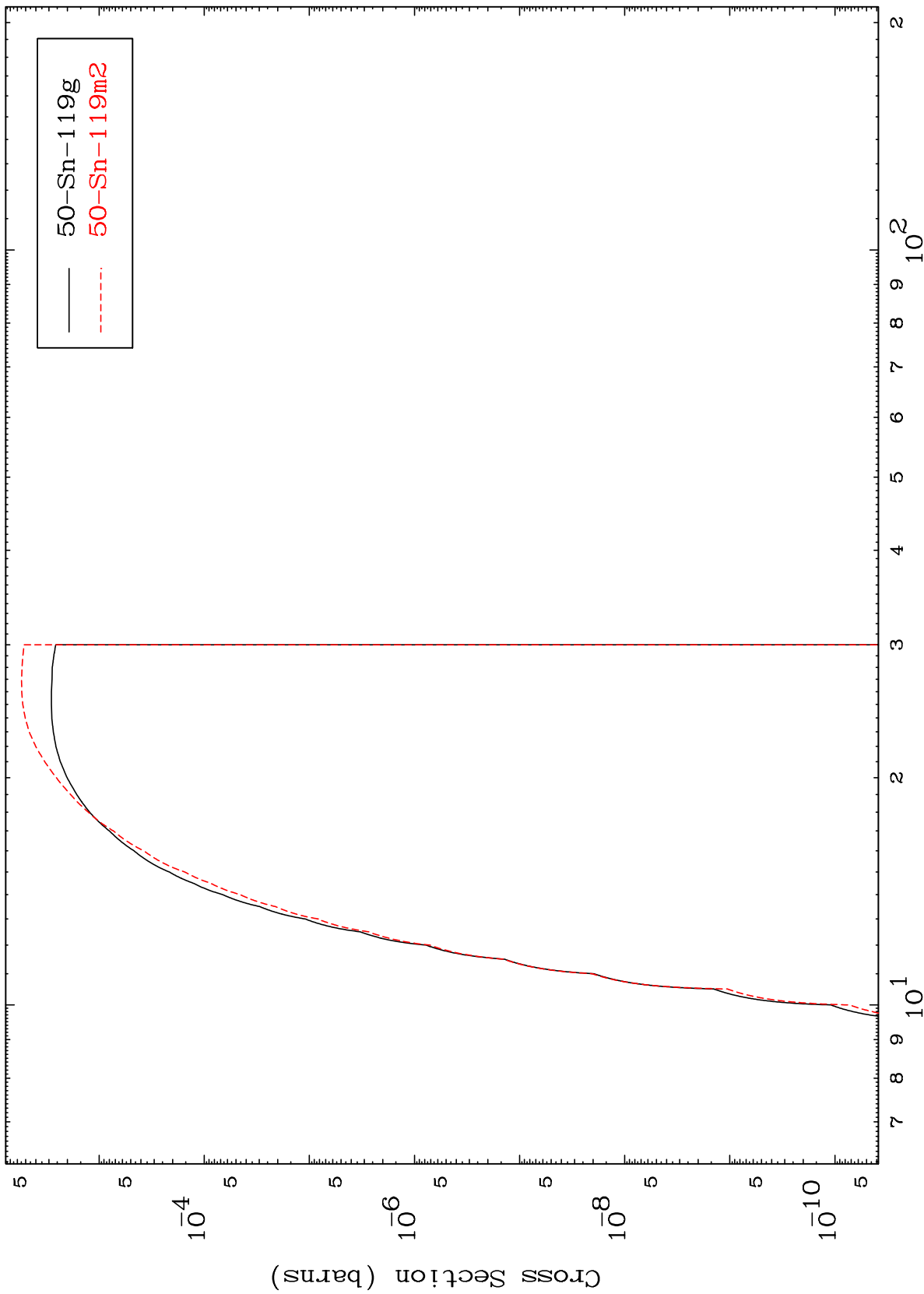
Radionuclide Production Cross Section



MAT 5125

51-Sb-121

(n,t)
Radionuclide Production Cross Section



134

Incident Energy (MeV)

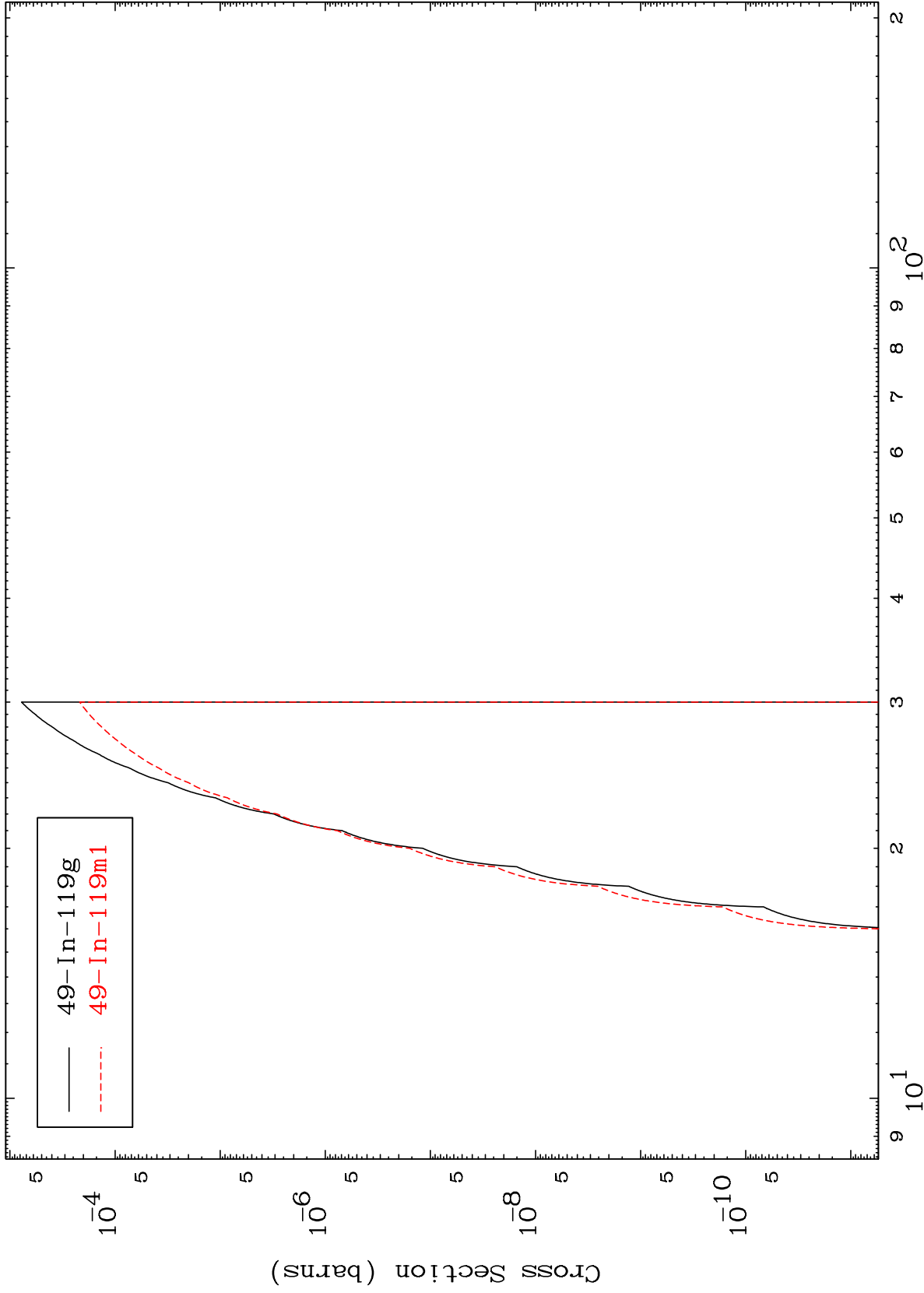
51-Sb-121

MAT 5125

(n,He-3)

51-Sb-121

Radionuclide Production Cross Section



135

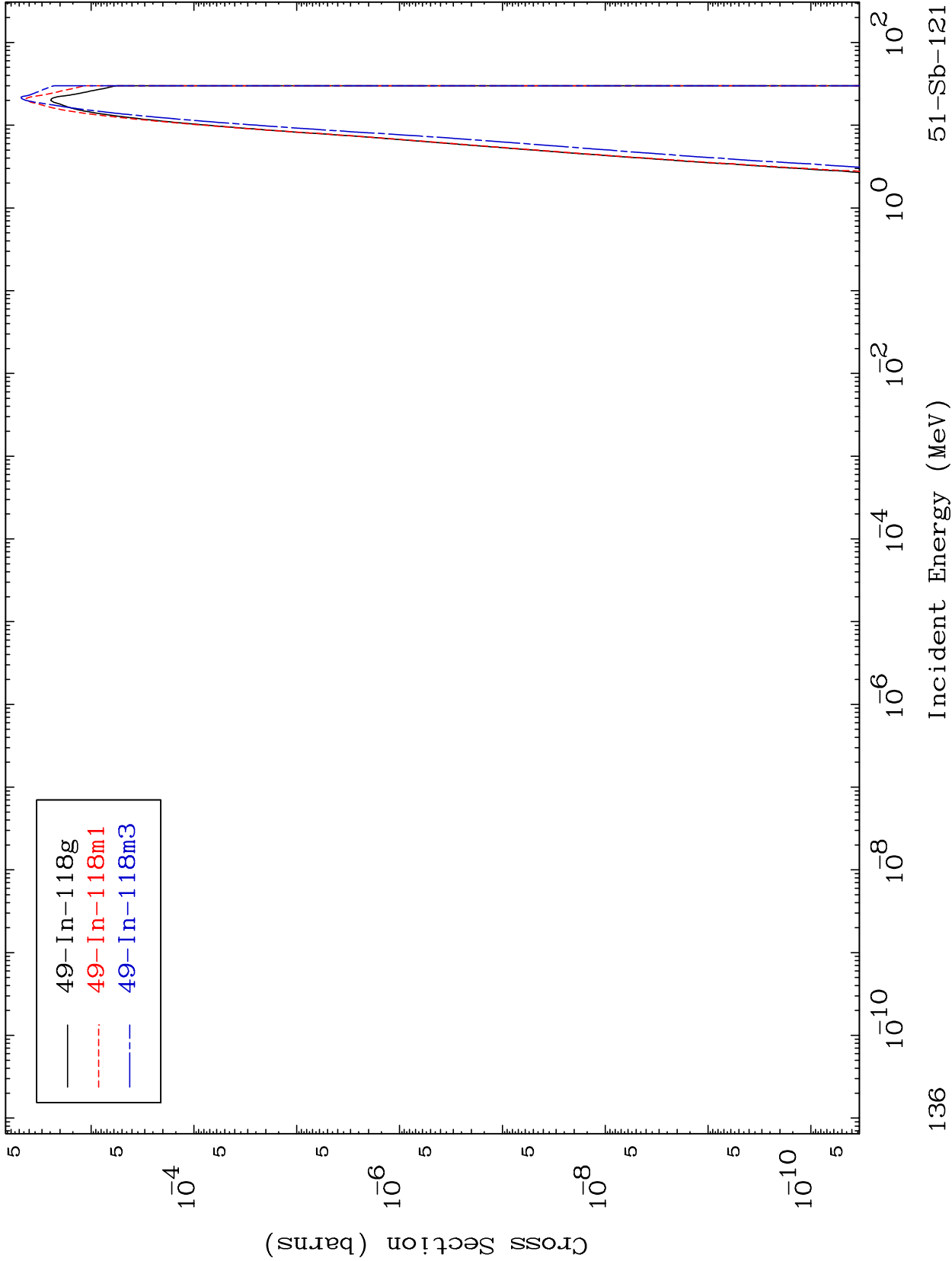
Incident Energy (MeV)

51-Sb-121

MAT 5125

51-Sb-121

(n, α)
Radionuclide Production Cross Section

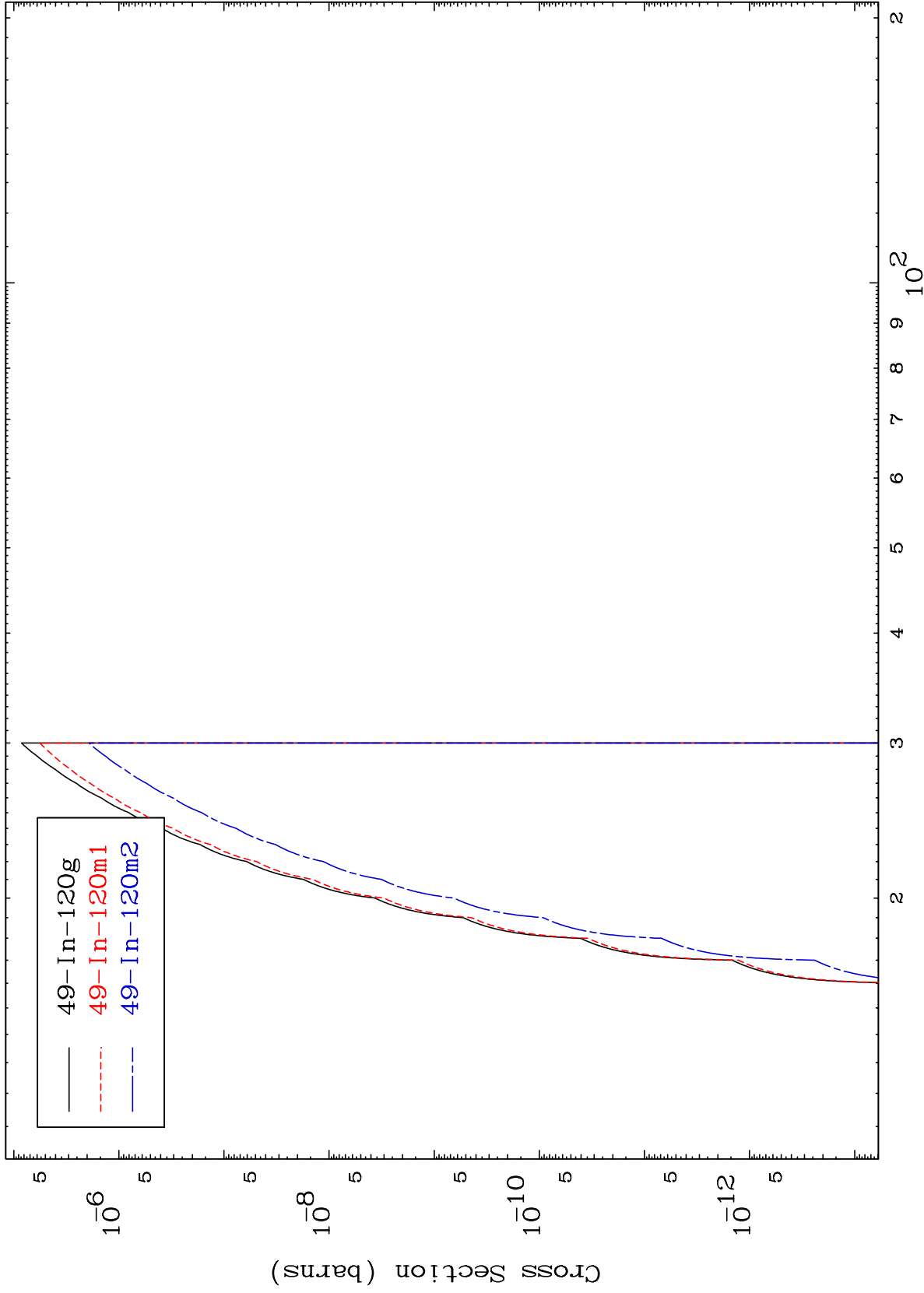


136

MAT 5125

51-Sb-121

(n,2p)
Radionuclide Production Cross Section



137

51-Sb-121

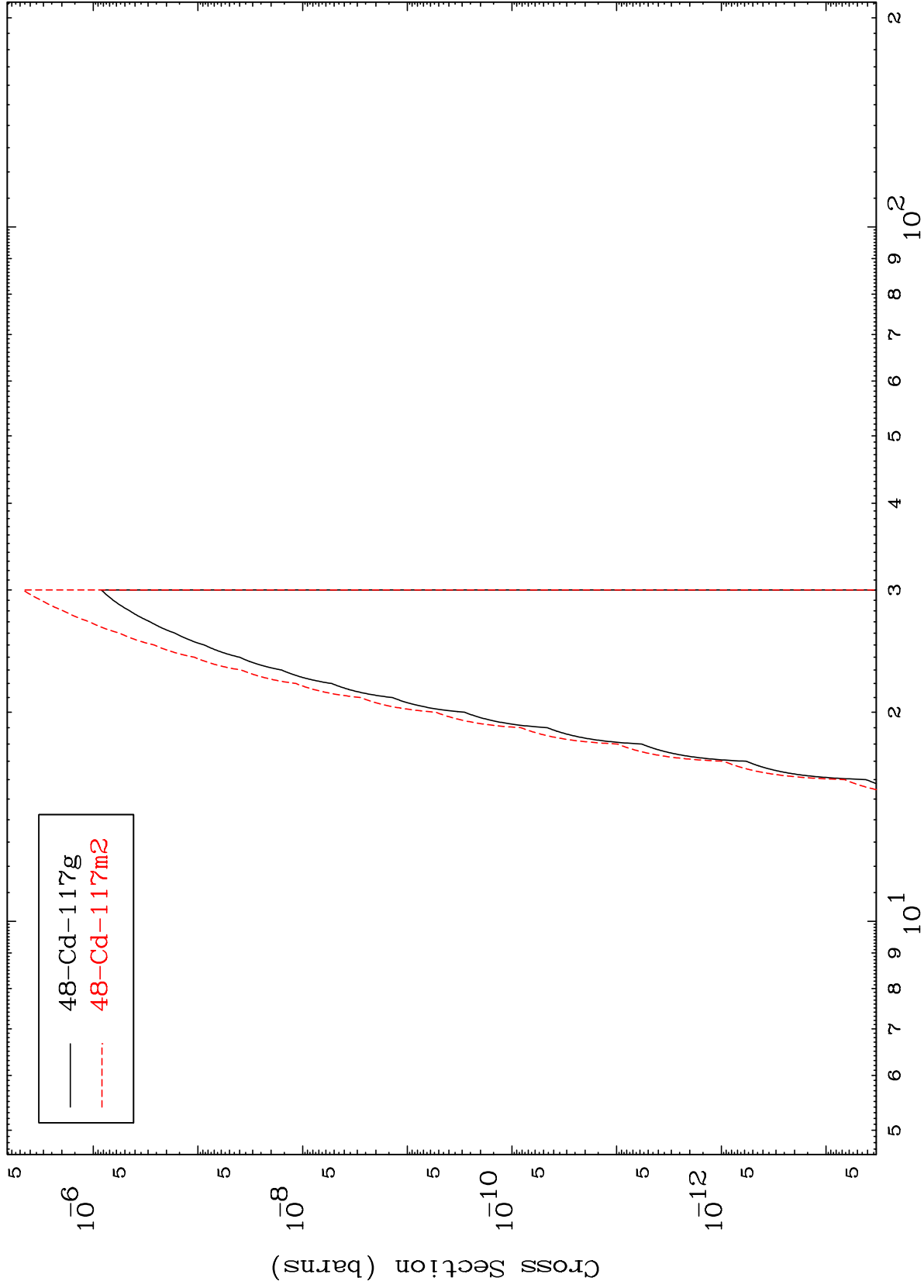
Incident Energy (MeV)

MAT 5125

$(n,p) \alpha$

51-Sb-121

Radionuclide Production Cross Section



138

Incident Energy (MeV)

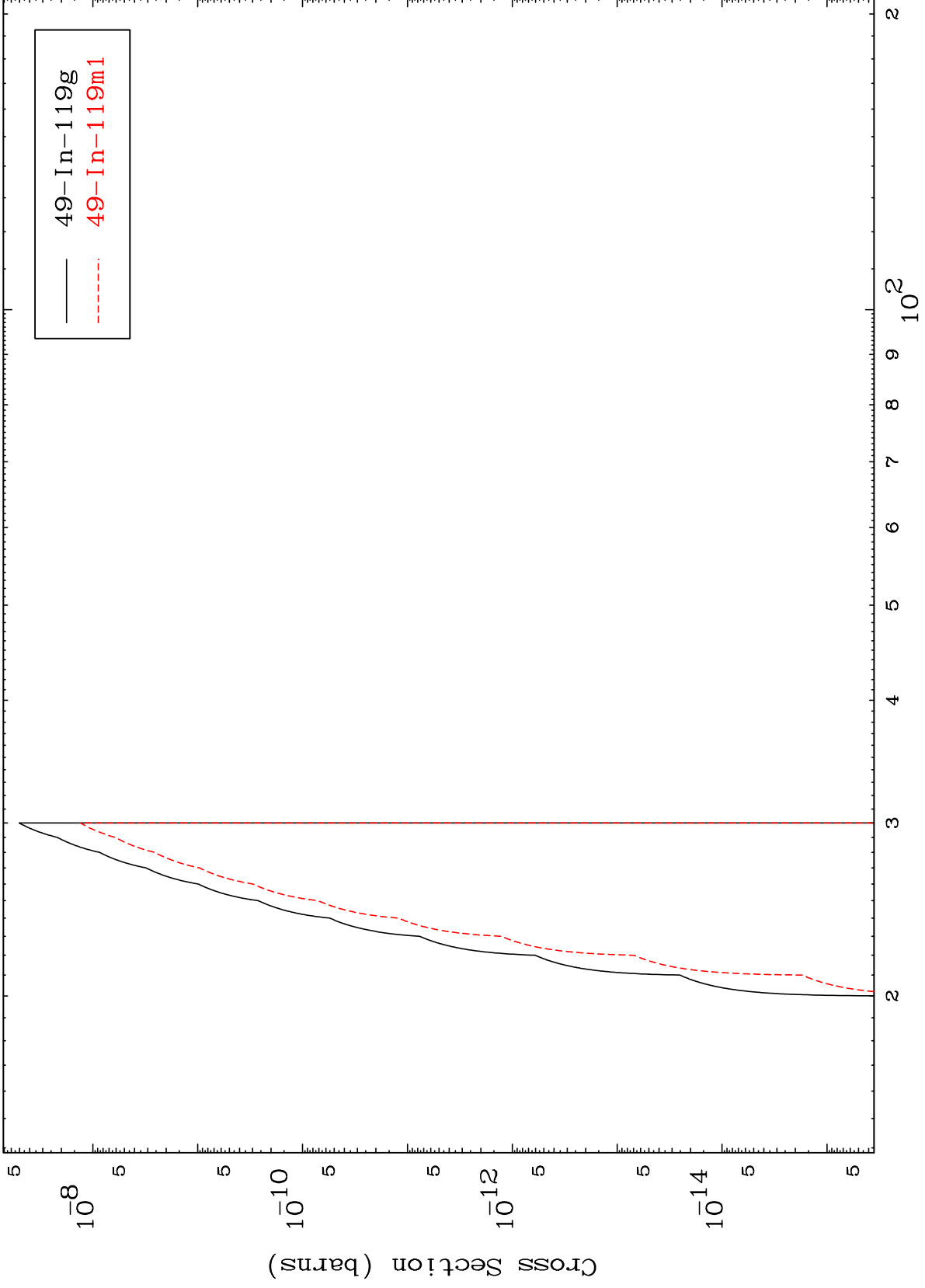
51-Sb-121

MAT 5125

(n,p) d

51-Sb-121

Radionuclide Production Cross Section



139

Incident Energy (MeV)

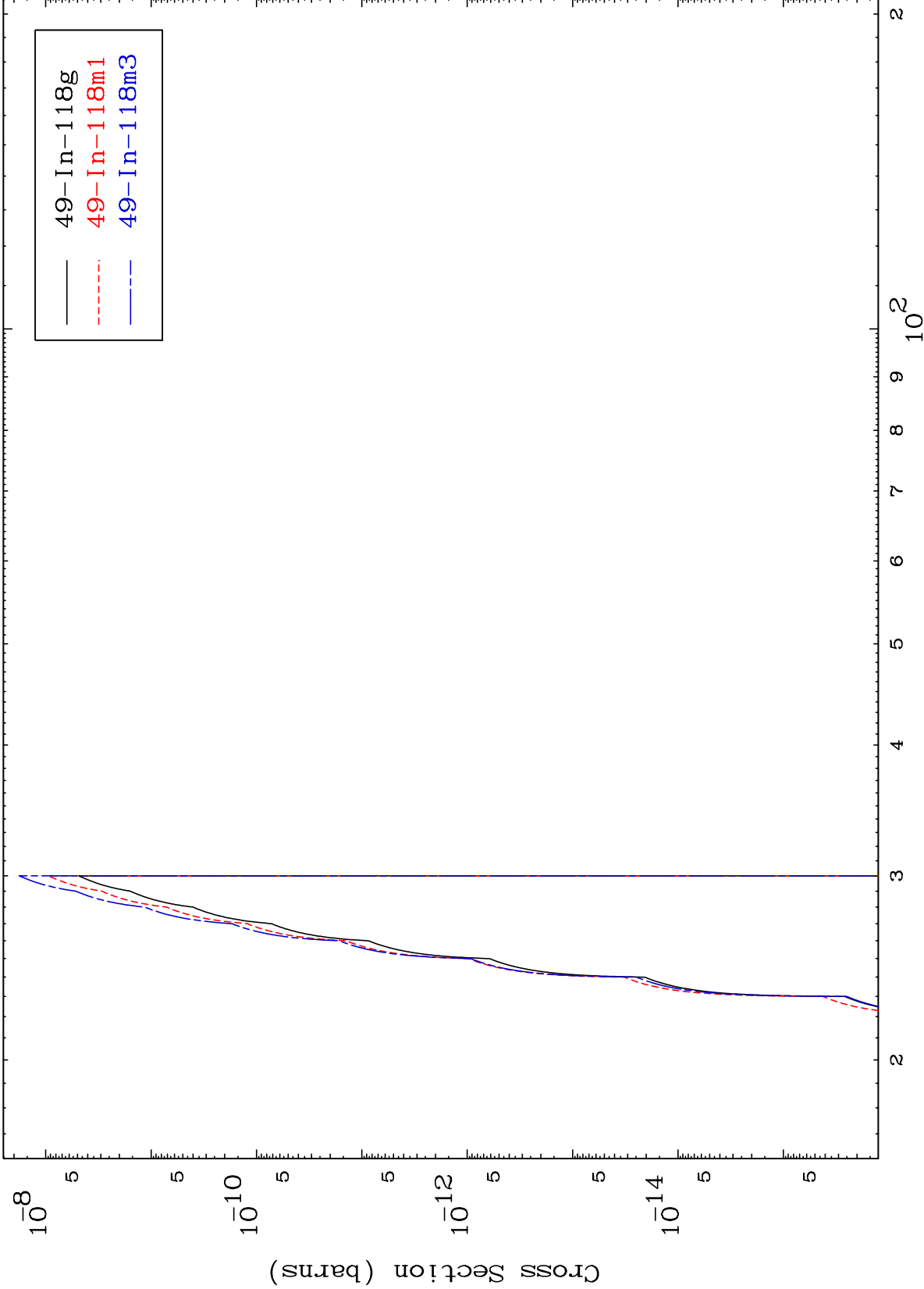
51-Sb-121

MAT 5125

(n,p) t

51-Sb-121

Radionuclide Production Cross Section



140

Incident Energy (MeV)

51-Sb-121