

M.Sc (Physics) Ist Year - IInd Semester

List of Experiments in Nuclear Physics

1. (a) Characteristics of G.M. Detector
 - (i) Operating voltage
 - (ii) Plateau
 - (iii) Dead Time
- (b) Statistical aspects of radiation
 - (i) Weak Source
 - (ii) Strong Source
2. Absorption coefficient of beta- particles for at least two sources by using Al absorbers.
3. Absorption coefficient of γ - rays for Al, Cu and Pb absorbers by using ^{137}Cs source.