

## **392SM LABORATORY OF DATA ACQUISITION AND CONTROL**

### **Aims**

NIM, CAMAC and VME electronics for nuclear data acquisition, Labview and Root software for data acquisition and analysis. Measurements of Time of Flight and Energy using TDC and ADC.

### **Teaching Format**

Class lectures followed by laboratory with small groups composed by maximum three students in each station.

### **Assessment**

Written essay on a given experimental measurement, the data acquisition system adopted and the analysis of the experimental results, followed by a discussion with the examination committee. Possible measurements:

[https://wwwusers.ts.infn.it/~rui/univ/Acquisizione\\_Dati/assignments.html](https://wwwusers.ts.infn.it/~rui/univ/Acquisizione_Dati/assignments.html)