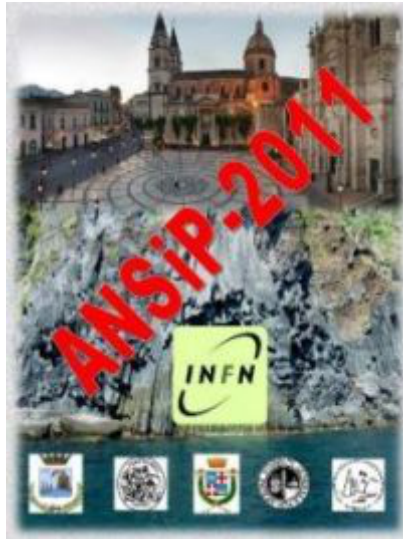


## Session Program

Nov 21 - 24, 2011



### **<center>ANSiP-2011 </br> Advanced School and Workshop on Nuclear Physics Signal Processing </center>**

### ***Physics and Instrumentation; Front-End Electronics; Signal Formation in Radiation Detector and Noise Mechanism; Preamplifiers I***

Acireale (CT), Sicily, Italy

**<strong><font color="#ff0000" size="3">**The workshop venue, Accademia degli Zelanti e dei Dafnici, is located at N°17 of Via Marchese di Sangiuliano. Click [http://maps.google.com/maps?](http://maps.google.com/maps?daddr=Via+Marchese+di+Sangiuliano&hl=en&ll=37.613373,15.161701&spn=0.006136,0.01502&sll=37.61384)

[http://maps.google.com/maps?](http://maps.google.com/maps?daddr=Via+Marchese+di+Sangiuliano&hl=en&ll=37.613373,15.161701&spn=0.006136,0.01502&sll=37.61384) for a map. Hotel Maugeri is about 300 meters far. Click <http://maps.google.com/maps?saddr=Hotel+Maugeri,+Piazza+Giuseppe+Garibaldi,+Acireale,+Italy&daddr=Via+Marchese+di+Sangiuliano&hl=en&ll=37.615319,15.16441&spn=0.003068,0.005466&sll=37.61384>

<http://maps.google.com/maps?saddr=Hotel+Maugeri,+Piazza+Giuseppe+Garibaldi,+Acireale,+Italy&daddr=Via+Marchese+di+Sangiuliano&hl=en&ll=37.615319,15.16441&spn=0.003068,0.005466&sll=37.61384> for a map with directions. Also the suggested B&B's are at a walking distance from workshop venue. **<br />**

<http://agenda.infn.it/getFile.py/access?resId=17&materialId=0&confId=3616>**<font color="#0000ff" size="3">**Download a map with direction**</font></a>**.

# Mon, November 21

10:00 AM

## Physics and Instrumentation; Front-End Electronics; Signal Formation in Radiation Detector and Noise Mechanism; Preamplifiers I

Session |

**Location:** Acireale (CT), Sicily, Italy, **The worksop venue, Accademia degli Zelanti e d**

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10:00 - 10:35 AM

### Overview on the physics perspectives in the future european laboratories

Speaker

A. Bracco

10:35 - 11:10 AM

### Instrumentation needs

Speaker

E Pollacco

11:10 - 11:40 AM

### Coffee Break

11:40 AM - 12:20 PM

### Signal Formation in radiation Detectors: Ramo's theorem and its application in practical cases

Speaker

A. Castoldi

12:20 - 1:00 PM

### Noise mechanisms in electronic devices: physical origin and circuit model

Speaker

C. Guazzoni

1:00 PM