

## **Solid State Physics Group - INFN sez. Torino**

Mon, 2016-10-17 11:02 - [Jacopo Forneris](#) [1] **Website:**  
<http://www.solid.unito.it/RICERCA/Diamante/diesis/diesis.html> [2]

**Research Type:** Experiment

The group works on the micro-fabrication of diamond, with a particular emphasis on integrated diamond devices for quantum information processing.

The group is mainly involved in the following research fields:

- Ion beam modification of materials
- Ion implantation and fabrication of color centers in wide band-gap materials
- Single-ion implantation detection
- Fabrication and processing, and optical/electrical characterization of solid state devices
- Optical- and electrical control and stimulation of single-photon sources in diamond
- Quantum sensing with NV centers in diamond

**Leader:** Jacopo Forneris

### **Location**

Istituto Nazionale di Fisica Nucleare - Sez. Torino via P. Giuria 1  
Torino 10125 Italy  
45° 3' 7.4448" N, 7° 40' 53.1984" E

**Source URL:** <http://qurope.eu/db/groups/solid-state-physics-group-infn-sez-torino>

### **Links:**

[1] <http://qurope.eu/users/jacopoforneris>

[2] <http://www.solid.unito.it/RICERCA/Diamante/diesis/diesis.html>