



UniTN and TIFPA INFN: people

Nome e Cognome	Ruolo	ATLAS + RD_FASE2
Gian-Franco Dalla Betta (RL)	PO	60%
Giovanni Verzellesi	PO	70%
David Macii	PA	70%
Roberto Iuppa	RTD-A	60%
Roberto Mendicino	AR AIDA2020	100%
Mostafa El-Khatib	Dott.	50%
D M S Sultan	Dott.	100%
Maurizio Boscardin	FBK	10
Totale FTE		5.2

Note: only UniTN personnel (no INFN), and no technicians

Infrastructure

2 x 65 m² laboratories at UniTN equipped with Hardware/Software tools for:

- Design and layout of sensors/read-out (Cadence)
- TCAD simulations (Synopsys TCAD)
- Electrical characterization (semiconductor parameter analyzer, LCR meter)
- Electro-optical bench (position resolved laser)
- X-ray generator/ low-noise spectroscopic chains
- Radioactive sources (^{241}Am , ^{90}Sr)
- USBPix 2.0 system
- General purpose electronic instrumentation: function generators, pulse generators, oscilloscopes, spectrum analyzer, low- and high-voltage power supplies, etc.
- Special agreement for the access to FBK laboratories with probe-stations and special instrumentation for electrical tests at wafer level.



Testing laboratory at UniTN



Interest

- The group is responsible for 3D sensor development
- In case of a production for ITk, it will take care of the final design and it can certainly participate to raw sensor quality control (at FBK)
- An involvement in 3D module testing would be important: from the infrastructure viewpoint it is possible with a minor effort, but it would require to hire dedicated personnel (financial support).