

## **Opportunities of tests, thermal treatments and brazing of vacuum material at the open Research Infrastructure LATINO**

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LATINO (a Laboratory in Advanced Technologies for INnOvation) is an open Research Infrastructure that will be hosted at the Frascati National Laboratories of INFN. LATINO will allow the scientific community and the SMEs to get access to the technologies and competences developed for particle accelerators. The Infrastructure will be fully operational at the beginning of 2020 ([www.latino.lnf.infn.it](http://www.latino.lnf.infn.it)). It will be organized in four Laboratories: Radio Frequency, Vacuum, Magnetic Measurements and Mechanical Integration. In the Vacuum Laboratory a high vacuum furnace for thermal treatments and brazing and a degassing measurement system to characterize vacuum materials will be installed. Integrated with the LATINO Infrastructure, there will be also a laboratory for measurements and characterization of the Secondary Electron Yield from conductive surfaces both at room and cryogenics temperatures. Detailed surface composition can also be performed by XPS analysis and Thermal, Photon and or Electron stimulated Desorption. In the presentation we will give an overview of the overall infrastructure with details on the equipment oriented to vacuum component measurements, treatment, fabrication and characterization.