

New SC Low Beta Structures, V. PALMIERI, Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali di Legnaro, INFN LNL - New developments in the field are signalled while scanning the different technological approaches utilized throughout the whole scientific community. Two different materials, lead and niobium are currently applied to low beta superconducting cavities. In spite of its thirty-year investigation, lead and lead-alloy technology applied to superconducting cavities is far from being fully mastered and there is still room for improvement. Both bulk niobium and niobium clad copper are technologies already transferred to industry which provides high reliability albeit at high costs. Niobium sputtering onto copper is appearing on the scenario of low beta resonators, passing from the stage of prototype study to the stage of cavity installation into a Linac.