

Proposal for the organization of an RD50 project aimed at the realization of an Edge-less Device

Wednesday 23 November 2016 11:30 (20 minutes)

The aim of the talk is to show at the RD50 community a proposal for the definition of a RD50 project with the goal of the realization of a edgless detector at FBK.

Respect to the technological approach that used up now so passivate the trench with doping and filling the trench , we suggest to use the idea proposed by Resarch Naval Insitute (Fadeyev) to use the allumina as passivation layer.

We propose to extend this approach by inserting it directly into the process flow and not as a post process.

The use of alumina will give a process simplification and also a great freedom in design achievable geometries.

Presenters: BOSCARDIN, Maurizio (Unknown); BOSCARDIN, Maurizio (FBK Trento)

Session Classification: Pixel and Strip sensors; LHC experiments