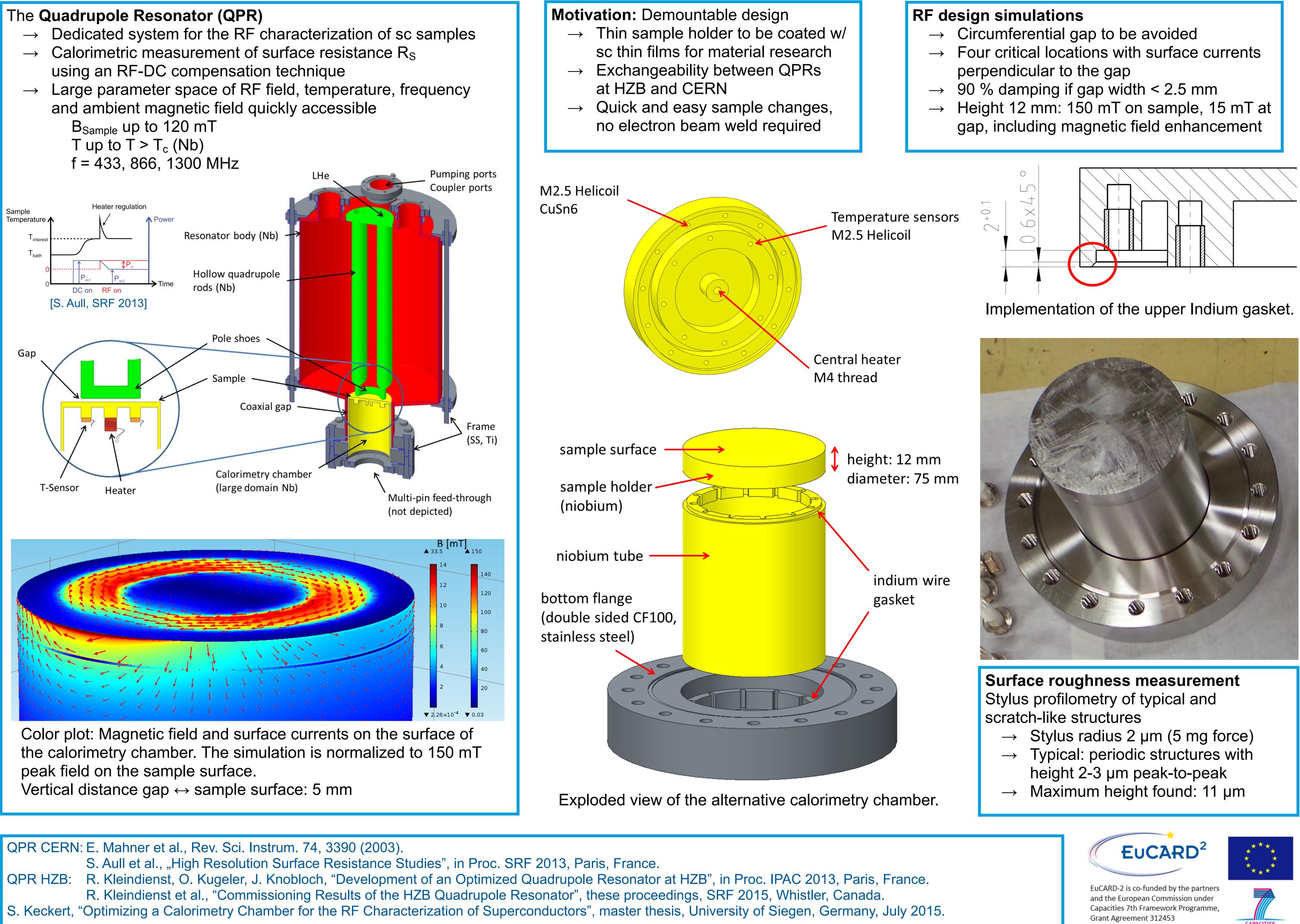
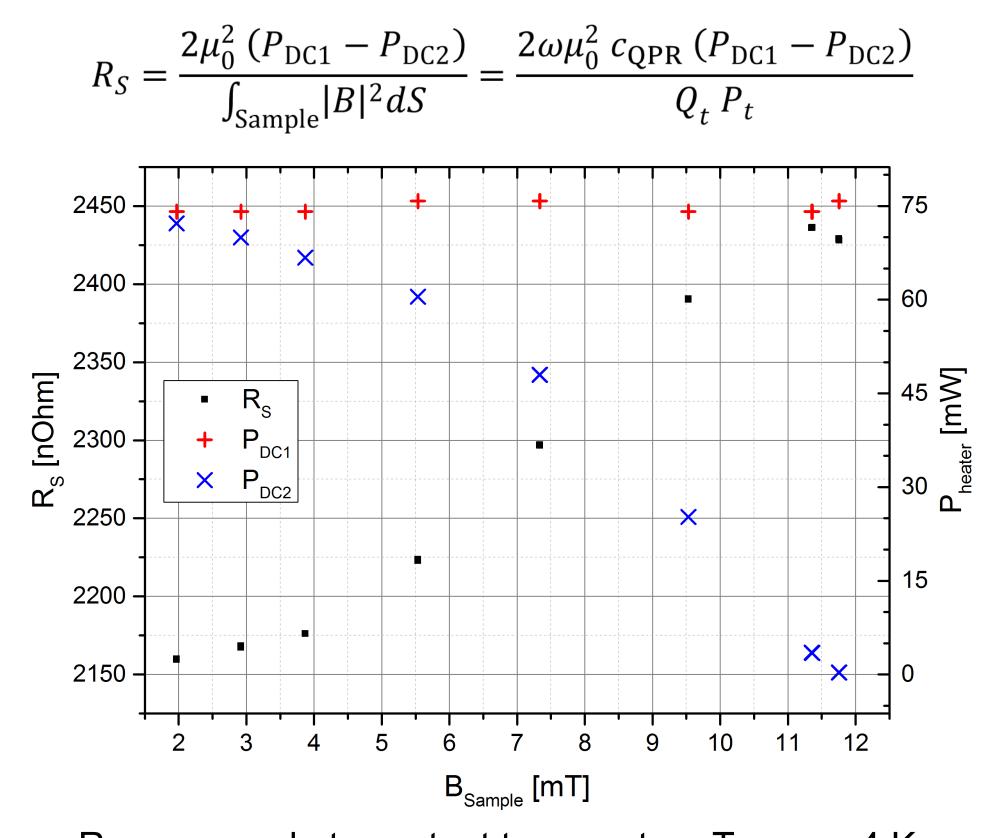
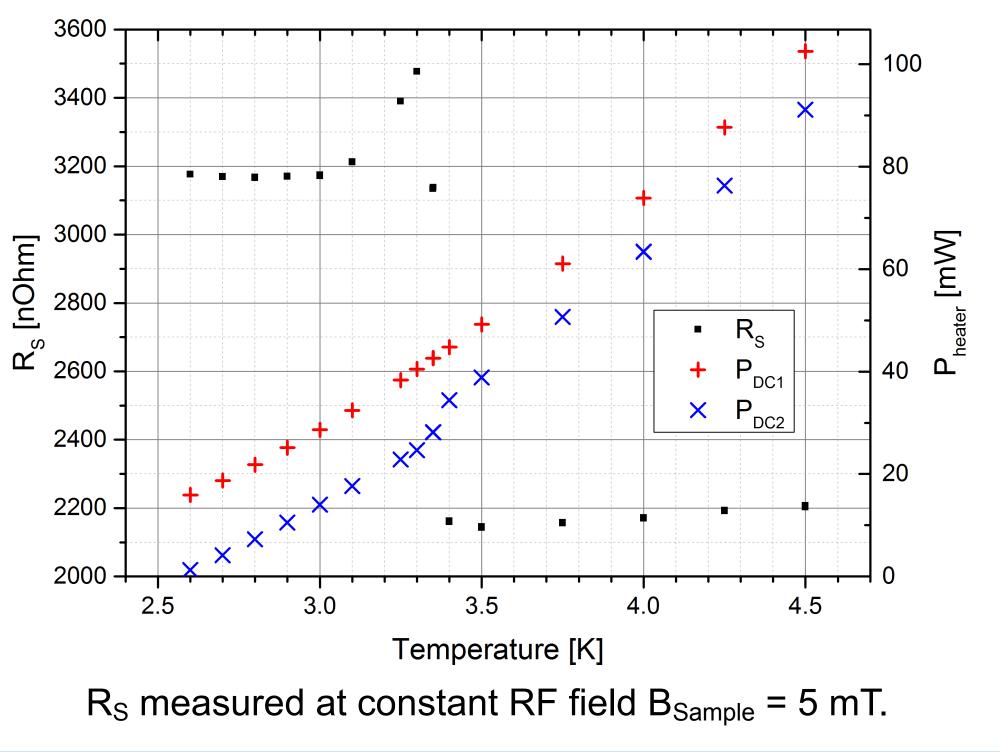
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## **DESIGN AND FIRST MEASUREMENTS OF AN ALTERNATIVE CALORIMETRY CHAMBER FOR THE HZB QUADRUPOLE RESONATOR**



**RF measurement** with QPR at CERN  $\rightarrow$  Unexpected high surface resistance Strong dependence on field strength and temperature Increase for  $T \rightarrow 3.3$  K indicates RF losses at indium gasket  $\rightarrow$  RRR  $\geq$  300, indicated by measurement of penetration depth and thermal conductivity





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