

Operation of a 10kW@1.3 GHz Solid State Amplifier at the Superconducting Linac ELBE

Thursday 6 May 2010 11:30 (30 minutes)

The prototype of a “tunk key” 10kW@1.3GHz solid state power amplifier, designed and built by Bruker BioSpin Wissembourg/France has been tested at the superconducting linac ELBE in the Research Center Dresden-Rossendorf.

The talk gives an overview on the design, its RF-parameters and the first 8-week period of test and operation at the superconducting CW-linac ELBE.

Author: BÜTTIG, Hartmut (Research Center Dresden-Rossendorf)

Co-authors: Dr STAATS, Gerald (Research Center Dresden-Rossendorf); Dr MARTINACHE, Laurent (BRUKER BioSpin Wissembourg/France); Mr WEISS, Michel (BRUKER BioSpin Wissembourg/France); Mr GONELLA, Olivier (BRUKER BioSpin Wissembourg/France); Dr DUPIRE, Pascal (BRUKER BioSpin Wissembourg/France); Dr MICHEL, Peter (Research Center Dresden-Rossendorf); Mr SCHURIG, Rico (Research Center Rossendorf)

Presenter: BÜTTIG, Hartmut (Research Center Dresden-Rossendorf)

Session Classification: Solid State Amplifiers