

## Recent Results on CLIC X-Band Prototype Accelerating Structures

*Tuesday 2 December 2008 14:20 (20 minutes)*

The CLIC study is conducting an extensive testing program towards a prototype accelerating structure suitable for a linear collider. The requirements for CLIC are a loaded gradient of 100 MV/m for pulse duration of 240 ns with a trip rate below  $3 \cdot 10^{-7}$  per meter. These accelerating structures are designed, fabricated and tested in collaboration between KEK, SLAC and CERN.

Recent results from these experiments will be reported including a low group velocity accelerating structure which reached a gradient in excess of 100 MV/m with an acceptable breakdown rate.

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**Session Classification:** Plenary Session (Chair R.M.Jones)