

## **Breakdown transient study of plasma distributions in a 2.45 GHz hydrogen discharge**

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### **Abstract-**

**Plasma distribution transients associated with the breakdown of a 2.45 GHz hydrogen discharge similar to high current microwave electrode. The temporal evolution of images in Balmer-alpha and Fulcher band wavelengths have been recorded associated to atomic and**

**Index Terms-** ECR ion sources; ECR plasma breakdown; Plasma diagnostics;

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