

**Tipo di tesi:** Laurea triennale

**Corso di Laurea:** Fisica

**Tipologia:** sperimentale

**Titolo della tesi:** Fast camera imaging of the plasma plume in a low power, atmospheric pressure plasma source.

**Proponente:** G. De Masi, L. Cordaro

**Relatore Accademico:** E. Martines

**Capogruppo:** E. Martines

**Argomento della tesi:**

A prototype of a “cold” plasma source working at atmospheric pressure, called Plasma Coagulation Controller (PCC), has been recently developed at Consorzio RFX. PCC is being tested in collaboration with the “Magna Graecia” University of Catanzaro on human blood samples for accelerating blood coagulation. The aim of this work is to perform a detailed study of the evolution of “streamers” (ionization pulses) in the plasma plume, correlating fast camera images with electric measurements, for a wide range of experimental conditions.

**Competenze richieste (se necessarie):**

**Data della proposta:** 13 gennaio 2020

**Stato:** (non assegnata/assegnata): non assegnata

**Laureando/a:**