

## Academia-Industry Matching Event on Superconductivity for Accelerators for Medical Applications



Contribution ID: 13

Type: **not specified**

### **Superconducting medical accelerators at IBA**

*Friday 25 November 2016 08:50 (20 minutes)*

In 2005, IBA started studies and developments of superconducting cyclotrons for medical applications. In this communication, we will present a summary of the history and characteristics of the two main superconducting IBA cyclotrons for particle therapy, namely the Cyclone 400 for proton/carbon therapy and the S2C2 dedicated to proton therapy, with a particular emphasis on their superconducting coil systems.

In the conclusions, we will discuss how IBA sees a trend in the use of superconductivity in therapy equipment.

**Presenter:** KLEEVEN, Wiel (IBA)

**Session Classification:** Particle therapy