

# MYRRHA - CERN collaboration day, 27 February 2020

Proposal: "Kickers, septa"

CERN Participants: J. Borburgh, L. Ducimetiere, J. Uythoven

MYRRHA Participants: Ulrich Dorda, Dirk Vandeplasseche

## **Topic:**

- *Extraction kicker and its generator in front of Proton Target Facility + associated septum.*

## **Goal(s):**

- Design study, defining parameters and technology.
- Validate compatibility with beam line optics.
- Documentation needed for tendering.
- Consulting for procurement.

## **Timeline:**

- Determination of key system parameters by September 2020.
- Technical circuit and magnet design by 2022.

**CERN support for this project is: 4 (almost crucial):**

# Collaboration proposal

## **Benefits for MYRRHA:**

- Getting a crucial/key element, both for Minerva and 600 MeV.

## **MYRRHA contribution:**

- *CERN would expect funding of engineering FELLOW for 2 years.*

## **MYRRHA technical contact:**

- Ulrich Dorda, Dirk Vandeplassche

## **Benefits for CERN:**

- *No direct application, but will allow pushing the R&D in generator technology*
- *Maintain expertise on DC septum design within CERN.*

## **CERN contribution:**

- *Expert manpower: during 6 months CERN staff (0.1 fte), followed by supervision of FELL for 2 yrs (0.15 fte).*

## **CERN technical contact:**

J. Borburgh, L. Ducimetiere