



Accelerator Research and Innovation for  
European Science and Society

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# ARIES Topical Workshop

## Extracting Information from Electro-Magnetic Monitors in Hadron Accelerators

CERN, Switzerland

14<sup>th</sup> – 16<sup>th</sup> May, 2018

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# Welcome & Introduction

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- **What is ARIES?**
  - ARIES is an Integrating Activity project which aims to develop European particle accelerator infrastructures, co-funded under the European Commission's Horizon 2020 Research and Innovation programme
  - Over four years (2017-2020), ARIES will work towards improving the performance, availability, and sustainability of particle accelerators, transferring the benefits and applications of accelerator technology to both science and society, and enlarging and integrating the European accelerator community
- **Advanced Diagnostics at Accelerators (ADA) – WP8 Peter Forck**
  - Contributing to the development of advanced instrumentation for hadron linacs, hadron synchrotrons, third generation light sources and free electron lasers
  - Organization of topical workshops to intensify the discussion and exchange of knowledge between the accelerator laboratories
- **What has been organised to date?**
  - Simulation, design & operation of Ionization Profile Monitors (GSI – May 2017)
  - Emittance measurements for light sources & FELs (ALBA – Jan 2018)
  - **Extracting Information from EM Monitors in Hadron Accelerators (CERN – now)**
  - Longitudinal diagnostics for FELs (DESY – June 2018)
  - Any proposals for future workshops welcome!



# The Programme

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- **Monday**
  - Session1 : Experience & understanding the needs
  - Session2 : New techniques
- **Tuesday**
  - Sessions 3 & 4 : Schottky measurements & diagnostics
- **Banquet**
  - Monday evening at the Jiva Hill Resort (Crozet, France)
  - Starts at 19:30
  - Those needing transportation to fill-in their name on the sheet provided during the coffee break this morning



# General Information

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- **Breakfast**
  - Visitors staying at the CERN hostel should have received breakfast vouchers for the duration of their stay
- **Lunch**
  - Organised in the cafeteria next door
    - You can help yourself to 1 starter, 1 main, 1 dessert and a soft drink
  - Lunch is organised for Monday & Tuesday only
- **Dinner**
  - Banquet on Monday & free evening on Tuesday
- **Transportation to & from the venue**
  - A special shuttle bus will operate in the morning leaving the main building (500) at 8:35
  - To return in the evening a shuttle bus leaves just outside at 17:48 & 18:35

