



## CANREB commissioning plans

steering committee meeting August 31, 2017

**Friedhelm Ames**

## combined commissioning team CANREB and ARIEL P3:

Friedhelm Ames      Head of the commissioning team

### CANREB

Marco Marchetto      commissioning of the HRS  
Brad Barquest      commissioning of the RFQ buncher  
Leigh Graham      commissioning of the EBIS  
Suresh Saminathan      commissioning of the Nier spectrometer and test ion sources  
Mike Rowe      commissioning of timing system and EPICS controls  
Brad Schultz      system integration

### ARIEL P3

Marco Marchetto      commissioning of RIB beam lines  
Peter Kunz      commissioning of yield station

# sequence for testing and commissioning

- installation and test plans finished (presently under review)
- ALIS room installed
- mass separator room shielding wall finished
- **system installation**
  - installation finished
  - controls connected
- **functional testing**
  - test ion sources installed and commissioned
  - timing system installed and commissioned
- **commissioning with stable beam from test ion sources (phase 1)**
  - beam line connections to ISAC finished
  - approval from CNSC received
  - RIB from ISAC available
- **commissioning with RIB from ISAC for RFQ, EBIS, Nier spectrometer (phase 2)**
  - RIB from ARIEL available
- **commissioning with beam from ARIEL for HRS (phase 3)**

# commissioning schedule

commissioning plan released April 30, 2018

functional testing after installation without beam

- |   | start     |
|---|-----------|
| • Nier spectrometer and beam lines            | 3/8/2018  |
| • RFQ   | 5/1/2018  |
| • EBIS (with test laser ion source from MPIK) | 5/17/2018 |
| • HRS   | 7/9/2018  |
| • test ion sources for RFQ and HRS            | 4/18/2018 |

start of commissioning 8/27/2018

	finished
commissioning phase 1 (all systems with stable ions from test ion sources) CFI deliverable	12/19/2018

commissioning phase 2 (RFQ-EBIS-Nier with ISAC RIB)	4/23/2019
commissioning phase 3 (HRS)	12/11/2019

# Thank you!

# Merci

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