

# IMCC and MuCol MDI workshop 2024



## Report of Contributions

Contribution ID: 2

Type: **not specified**

## **Wish list from the physics side (20+10)**

*Monday 11 March 2024 14:00 (30 minutes)*

**Presenter:** CESAROTTI, Cari

**Session Classification:** Setting the scene

Contribution ID: 3

Type: **not specified**

## **MDI and IR design: status, achievements and plans (20+10)**

*Monday 11 March 2024 14:30 (30 minutes)*

**Presenter:** LECHNER, Anton (CERN)

**Session Classification:** Setting the scene

Contribution ID: 4

Type: **not specified**

## **Detector design: status, achievements and plans (20+10)**

*Monday 11 March 2024 15:00 (30 minutes)*

**Presenter:** LUCCHESI, Donatella (Universita e INFN, Padova (IT))

**Session Classification:** Setting the scene

Contribution ID: 5

Type: **not specified**

## **Workshop opening by the IMCC study leader**

*Monday 11 March 2024 13:45 (5 minutes)*

**Presenter:** SCHULTE, Daniel (CERN)

**Session Classification:** Welcome

Contribution ID: 6

Type: **not specified**

## Workshop goals and practical information

*Monday 11 March 2024 13:50 (10 minutes)*

**Presenter:** LECHNER, Anton (CERN)

**Session Classification:** Welcome

Contribution ID: 7

Type: **not specified**

## **Recap of 3 TeV center-off-mass lattice and IR design studies in MAP (15+10)**

*Monday 11 March 2024 15:50 (25 minutes)*

**Presenter:** GIANFELICE, Eliana (Fermilab)

**Session Classification:** MDI and IR design

Contribution ID: 8

Type: **not specified**

## **Status of the 10 TeV center-of-mass collider lattice and IR design (15+10)**

*Monday 11 March 2024 16:15 (25 minutes)*

**Presenter:** SKOUFARIS, Kyriacos (CERN)

**Session Classification:** MDI and IR design



Contribution ID: 9

Type: **not specified**

## **Magnet technologies for final focus region (15+10)**

*Monday 11 March 2024 16:40 (25 minutes)*

**Presenter:** MARIOTTO, Samuele

**Session Classification:** MDI and IR design

Contribution ID: **10**

Type: **not specified**

## **Software for BIB generation + MDI and BIB studies for 10 TeV (20+10)**

**Presenter:** CALZOLARI, Daniele (Universita e INFN, Padova (IT))

**Session Classification:** MDI and IR design

Contribution ID: 11

Type: **not specified**

## **MDI and BIB studies for 3 TeV (15+10)**

**Presenter:** CASTELLI, Luca

**Session Classification:** MDI and IR design

Contribution ID: 12

Type: **not specified**

## **Requirements and current design for the 3 TeV and 10 TeV detector (15+10)**

*Tuesday 12 March 2024 09:25 (25 minutes)*

**Presenter:** PAGAN GRISO, Simone (Lawrence Berkeley National Lab. (US))

**Session Classification:** Detector design and forward physics

Contribution ID: 13

Type: **not specified**

## **Software for BIB propagation in the detector + BIB spatial sources and mitigation strategies at detector level (20+10)**

*Tuesday 12 March 2024 09:50 (30 minutes)*

**Presenter:** BARTOSIK, Nazar (Universita e INFN Torino (IT))

**Session Classification:** Detector design and forward physics

Contribution ID: 14

Type: **not specified**

## **Forward detector and nozzle instrumentation (15+10)**

*Tuesday 12 March 2024 10:40 (25 minutes)*

**Presenters:** CALZOLARI, Daniele (Universita e INFN, Padova (IT)); CASARSA, Massimo (INFN, Trieste (IT))

**Session Classification:** Detector design and forward physics

Contribution ID: 15

Type: **not specified**

## **Luminosity measurement - TBC (15+10)**

**Session Classification:** Detector design and forward physics

Contribution ID: 16

Type: **not specified**

## Detector magnet (15+10)

*Tuesday 12 March 2024 11:05 (25 minutes)*

**Presenter:** BERSANI, Andrea (INFN Genova (IT))

**Session Classification:** Detector design and forward physics



Contribution ID: 17

Type: **not specified**

## **Material and engineering considerations for nozzle (15+5)**

**Presenter:** FRANQUEIRA XIMENES, Rui (CERN)

**Session Classification:** Detector design and forward physics

Contribution ID: **18**

Type: **not specified**

## **Material and engineering considerations for the nozzle (15+10)**

*Monday 11 March 2024 17:05 (25 minutes)*

**Presenter:** FRANQUEIRA XIMENES, Rui (CERN)

**Session Classification:** MDI and IR design

Contribution ID: 19

Type: **not specified**

## **Experience of particle shielding in Hall B at JLab (15+10)**

*Monday 11 March 2024 17:30 (25 minutes)*

**Presenter:** MILLER, Robert

**Session Classification:** MDI and IR design

Contribution ID: 20

Type: **not specified**

## **Software for BIB generation + MDI and BIB studies for 10 TeV (20+10)**

*Tuesday 12 March 2024 08:30 (30 minutes)*

**Presenter:** CALZOLARI, Daniele (Universita e INFN, Padova (IT))

**Session Classification:** MDI and IR design

Contribution ID: **21**

Type: **not specified**

## **MDI and BIB studies for 3 TeV (15+10)**

*Tuesday 12 March 2024 09:00 (25 minutes)*

**Presenter:** CASTELLI, Luca

**Session Classification:** MDI and IR design