

Linac4 Beam Coordination Committee – Mandate, Structure, Subjects

1. Mandate of the L4 BCC

1. To analyse technical subjects related to linac and PSB hardware having an impact on beam performance or on reliability and involving more than one Workpackage.
2. For subjects that are treated in the different ongoing working groups, to report to a wider audience a summary of the discussions and the conclusions after the subjects have been treated in the working group.
3. To favor the exchange of information between Workpackages inside the project and between the Workpackages and the project management.
4. To identify issues needing further studies in order to improve the performance of the machine.
5. To take decisions (or to finalize decisions that are taken in the working groups) concerning the detailed machine design.
6. To register decisions and further actions in the minutes.

2. Structure of the L4 BCC

Chairman: S. Maury, Secretary: S. Ramberger.

Participation: WP holders and persons concerned. - The meeting is open.

Time: Tuesdays 16:00-17:30, bi-weekly, alternating with the L4-2I.

Location: building 354 1-001

Link: [Linac4 Beam Coordination Committee Meetings on Indico](#)

3. Subjects of the L4 BCC

- Status and test programme of the ion source ✓
- The Linac4 head dump ✓
- PMQs vs. EMQs in CCDTL intertank areas ✓
- The PSB injection ✓
- Design of the intertank areas ✓
- The movable test bench ✓
- LBE-LBS lines ✓
- The commissioning strategy and measurements ✓
- Refined design of the intertank areas & consequences on diagnostics
- Source measurements & test, LEFT design follow-up, and RFQ construction
- RF performance and schedule – Klystrons, LLRF: specification and availability
- The debuncher
- Partly chopped bunches arriving at the PSB injection
- Final review of diagnostics tools (incl. BLMs)
- Final design of the measurement lines
- Commissioning of the transfer line
- Final design of the main dump