CompactLight Glasgow Virtual Meeting
Concluding Remarks

Concluding remarks I

Workshop numbers:

Number of registrations on the indico web page	79
Average number of participants/day	55
Total number of presentations	30

Note: typical numbers of a face-to-face meeting!

Project areas that need further evaluations/studies:

- **Injector and C-band photoinjector:**
  - Further BD simulations to evaluate the beam effects of the mode launcher “field tails“
  - Check the possibility to operate at higher bunch charge, i.e. 100-150 pC.
- **Start-to-end simulations:**
  - Check in detail the overall linac design using the new injector layout (C-band).
- **Beam diagnostics:**
  - Evaluate the space needed for instrumentation and BD, in particular after the TDCs (in collaboration with WP3-WP4-WP6).
  - Two bunches emittance measurements.

Concluding remarks III

- **XLS CAD model:**
  - Please support Nick with the requested information.
  - For each component/element it is not necessary to provide mechanical and construction details.
  - The XLS 3D model will be used to support sharing the facility view, avoiding interference between components, missing elements, etc.
- **Cost analysis and Cost-Benefits analysis:**
  - Considerable progress has been made since Athens meeting, but it will be very important to continue support Carlo to complete the data collection and to refine numbers within October-November 2020.
  - The same recommendations are valid for the CBA (Evangelos)

Concluding remarks IV

Good news from CPI:

- Ongoing activities on the X-band klystrons (10 MW, 1 KHz and 50 MW 100 Hz).
- New CERN design for the high efficiency 50 MW tube.
- Preliminary data on the EU C-band high repetition rate klystron.

Further enchouragements and suggestions:

- Reinforce dialogue and information transfer among WPs.
- Organize WP meetings regularly.
- Considering this “semi-lockdown” period, increase synergies among groups is fundamental!!!

Thanks again for your participation and hope to see you in Glasgow in November!