



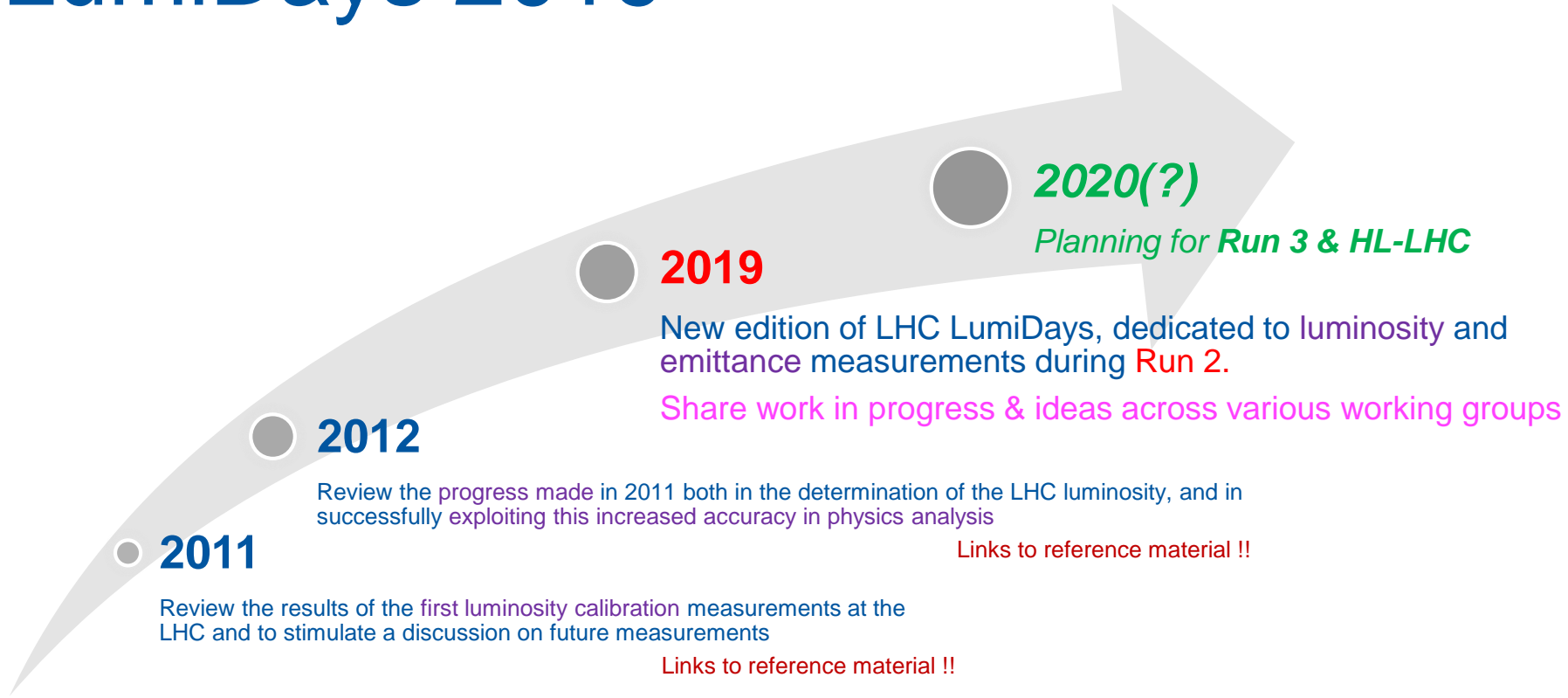
LHC LumiDays 2019

June 4-5 - CERN



Anne Dabrowski
Ilias Efthymiopoulos
Witold Kozanecki

LumiDays 2019



LumiDays 2019

Scans Crossing Angle Calibration Beam Intensities Event Rates

$$\frac{N_1 N_2 f N_b}{4\pi \sigma_x \sigma_y} \frac{1}{\sqrt{1 + \left(\frac{\sigma_s \phi}{\sigma_x} \frac{\phi}{2}\right)^2}} = \mathcal{L} = \frac{R}{\sigma}$$

Beam Transverse Emittance Beam Longitudinal Emittance Beam Optics Beam Beam Luminometers Beam Profile

Errors Pile-up

LumiDays 2019

Program organization:

- Exp: F. Alessio, V. Balagura, J. Contreras-Nuno, A. Dabrowski, M. Gagliardi, R. Hawkings, W. Kozanecki, R. Matev, A. Polini, D. Stickland
- LPC: B. Petersen
- Accel: H. Burkhardt, I. Efthymiopoulos, S. Fartoukh, R. Jones, T. Lefevre, Y. Papaphilippou, G. Sterbini, R. Tomas-Garcia, G. Trad, J. Wenninger

Some Practical Info

- Room **774-R-013** full day today and Wednesday morning.
 - Room for closeout afternoon TBC.
- Coffe/tea breaks
 - Outside the auditorium
- Lunch break
 - Restaurant 3 (5min walking distance) – Cantine (this building) – Nearby Restaurants (Prevessin or St. Genis - needs car)
- Workshop Dinner
 - Leaving from CCC at 18h30 PM – car pool – dinner at 19h00PM
 - Restaurant Bois Joly at 15min drive just up the Jura mountains
- Proceedings
 - 1 paper per talk, no page limit but recommended length approx. 5 pages) by using the JACoW
 - Deadline upload to indigo end of October 2019