

PROGRAMME FOR BASICS OF ACCELERATOR PHYSICS AND  
TECHNOLOGY

6-10 February, 2017, Chavannes-de-Bogis, Switzerland

|       | Monday<br>6 February                                     | Tuesday<br>7 February              | Wednesday<br>8 February             | Thursday<br>9 February                             | Friday<br>10 February                               |
|-------|--|------------------------------------|-------------------------------------|--|---|
| 08:30 | COFFEE   | COFFEE                             | COFFEE                              | COFFEE   | COFFEE  |
| 09:00 | Accelerators for<br>Beginners and<br>the CERN<br>Complex | Transverse<br>Beam<br>Dynamics I   | Longitudinal<br>Beam<br>Dynamics II | Injection and<br>Extraction                        | Machine<br>Protection                               |
| 10:00 | R. Steerenberg   | B. Holzer                          | F. Tecker                           | J. Schmidt   | M. Zerlauth   |
|       | PAUSE  | PAUSE                              | PAUSE                               | PAUSE  | PAUSE   |
| 10:15 | Basic<br>Mathematics<br>and Units                        | Magnets                            | Beam<br>Instrumentation             | Power<br>Converters<br>for Particle<br>Accelerator | Collective<br>Effects                               |
| 11:15 | R. Steerenberg   | G. De Rijk                         | H. Schmickler                       | J.-P. Burnet                                       | K. Cornelis   |
|       | COFFEE   | COFFEE                             | COFFEE                              | COFFEE   | COFFEE  |
| 11:45 | Electromagnetic<br>Theory                                | Longitudinal<br>Beam<br>Dynamics I | Transverse<br>Beam<br>Dynamics III  | Kickers and<br>Septa and<br>Beam<br>Transfer       | Vacuum<br>Systems                                   |
| 12:45 | W. Herr  | F. Tecker                          | B. Holzer                           | T. Kramer  | V. Baglin   |
|       | LUNCH  | LUNCH                              | LUNCH                               | LUNCH  | LUNCH   |
| 14:00 | Relativity   | Transverse<br>Beam<br>Dynamics II  | Linacs                              | Discussion<br>Session                              | Discussion<br>Session                               |
| 15:00 | W. Herr  | B. Holzer                          | A. Lombardi                         |  |   |
| 15:00 | Particle Sources   | Discussion<br>Session              | Discussion<br>Session               | Cryogenics   | CLIC  |
| 16:00 | R. Scrivens  |                                    |                                     | S. Claudet   | H. Schmickler                                       |
|       | COFFEE   | COFFEE                             | COFFEE                              | COFFEE   | COFFEE  |
| 16:30 | The Standard<br>Model and<br>Beyond                      | RF Systems                         | Linear<br>Imperfections             | Luminosity<br>and Beam-<br>Beam at the<br>LHC      | LHC Upgrades<br>and Future<br>Circular<br>Colliders |
|       | P. Spiccas   | F. Tecker                          | J. Wenninger                        | G. Papotti   | M. Benedikt   |