

Session Program

Sep 18 - 22, 2017



ICFA mini-WORKSHOP ON IMPEDANCES AND BEAM INSTABILITIES IN PARTICLE ACCELERATORS

***Session 3: Impedance modeling,
measurements and control (Chair: Maria
Rosaria Masullo. Scientific secretary: Andrea
Passarelli)***

Benevento, San Vittorino Hall
Piazza Tenente Pellegrini, Benevento

Wed, September 20

9:00 AM

Session 3: Impedance modeling, measurements and control (Chair: Maria Rosaria Masullo. Scientific secretary: Andrea Passarelli)

Session | **Location:** Benevento, San Vittorino Hall, Piazza Tenente Pellegrini, Benevento | **Convener:** Maria Rosaria Masullo

9:00 - 9:20 AM **Challenges and pitfalls for impedance measurements in the lab**

Speaker

Andrea Mostacci

9:20 - 9:40 AM

2D and 3D collimator impedance modelling and experimental measurements

Speaker

Dr Nicolo Biancacci

9:40 - 10:00 AM

Continuous-Wave HOM Load Power Computations Based on Single-Bunch Wake Simulations

Speaker

Hans-Walter Glock

10:00 - 10:20 AM

Needs and solutions for machine impedance reduction

Speaker

Dr Christine Vollinger

10:20 - 10:50 AM

Coffee break

10:50 - 11:10 AM

Beam measurements of frequency characteristics of (longitudinal) impedance

Speaker

Dr Alexandre Lasheen

11:10 - 11:30 AM

Beam-based impedance measurement techniques in light sources

Speaker

Dr Ryutaro Nagaoka

11:30 - 11:50 AM

Comparison of machine impedance calculation with beam based measurements

Speaker

Karl Bane

11:50 AM - 12:10 PM

Precise impedance determination from simultaneously measured tunes of unequal charge bunches

Speaker

Dr Boris Podobedov

12:10 - 12:30 PM

An improved method to measure beam impedance with rotating wire. Theoretical and simulation results

Speaker

Mr Olav Berrig

12:30 PM