Acknowledgements

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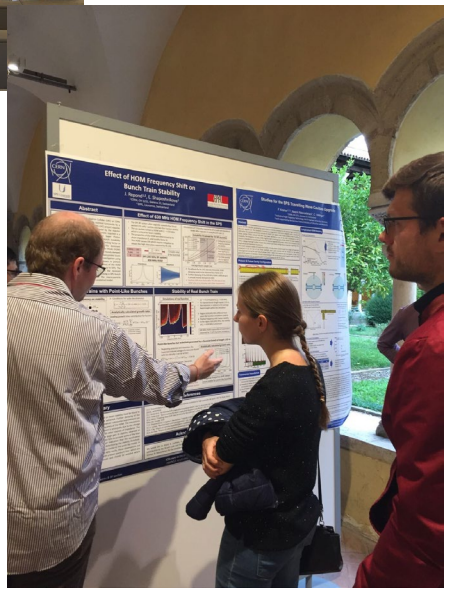
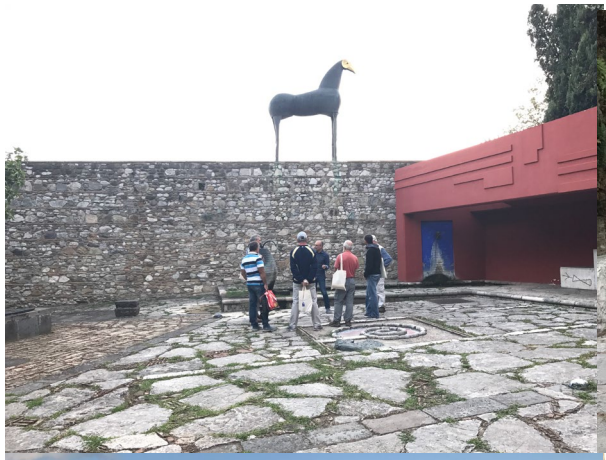
A random collection of
photographs from the Workshop

Session 1: Introductory talks
(chair: Giovanni Rumolo, CERN, CH)
Welcome and general introduction (30')
(Stefania Petracca, Unisannio, IT)
Impedance theory and modeling (30')
(Elias Métral, CERN, CH)
Impedance measurement techniques (30')
(Uwe Niedermayer, TU-Darmstadt, DE)
Electron cloud effects (30')
(Giovanni Iadarola, CERN, CH)
Instability theory and modeling (30')
(Oliver Boine-Frankenheim, TU-Darmstadt & GSI, DE)
Instability observations and cures (30')
(Elena Shaposhnikova, CERN, CH)

The second Breakthrough:
the Alternating Gradient
Without strong focusing, a machine as powerful as the Alternating Gradient Synchrotron (AGS) would have needed apertures (the gaps between the magnet poles) between 0.5 m and 1.5 m instead of apertures of less than 0.1 m.
Strong focusing -> PS in 1959 (28 GeV) at CERN and AGS in 1960 (33 GeV) at BNL.


Effect of HOM Frequency Shift on
Bunch Train Stability
Abstract