

# Modulating RF phase at twice synchrotron frequency

*Tuesday 28 June 2016 11:00 (30 minutes)*

By modulating the cavity RF phase at twice synchrotron frequency, bunches can be lengthen and shortened. We have done this both in normal optics (17ps bunch length) and in low-alpha optics (3ps bunch length). The effects can be nicely observed on the streak camera.

**Primary author:** REHM, Günther (Diamond Light Source)

**Presenter:** REHM, Günther (Diamond Light Source)