



Friday, December 9th 2016 - 16:00
CFEL Seminar room IV (Bldg. 99)

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Superconductivity in alkali doped fullerenes

In this very informal talk I will first briefly present our view on superconductivity in alkali doped fullerenes. In particular, I will discuss how it is at all possible that M3C60 has an s-wave condensate despite the sizeable intra-molecular Coulomb repulsion relatively to the narrow molecular bandwidth.

In the second part of the talk I will review what it is known about the MIR optical properties of doped fullerenes and try to build a link with the remarkable Hamburg observation of a large enhancement of T_c under intense THz pumping.

Host: Andrea Cavalleri

