

Poster-1-8**The Josephson effect in long, clean SNS junctions**Silvan Aepli*ETH Zürich*

If we have a Josephson junction where the weak link is a long, pure metal, Andreev bound states form. I will show what Andreev bound states are and what happens when spin-singlet and spin-triplet superconductors are coupled. I will also show the current phase relation at zero temperature for couplings between conventional and unconventional superconductors (s-wave, d-wave and p-wave).