



Contribution ID : 113

Type : **not specified**

## Field theoretic description of the abelian and non-abelian josephson effect

*Friday, 10 October 2008 16:20 (0:50)*

### Abstract content

We formulate the Josephson effect in a field theoretic language which affords a straightforward generalization to the non-abelian case. Our formalism interprets Josephson tunneling as the excitation of pseudo-Goldstone bosons. We discuss applications to various non-abelian symmetry breaking systems in particle and condensed matter physics.

### Summary

**Primary author(s) :** WIJEWARDHANA, Rohana (Cincinnati U.)

**Presenter(s) :** WIJEWARDHANA, Rohana (Cincinnati U.)

**Session Classification :** Non-Perturbative QFT