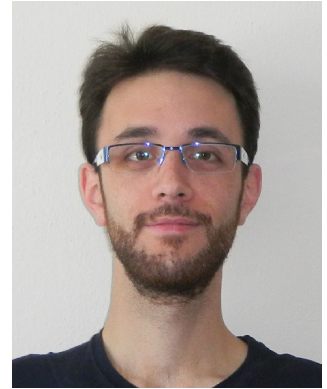


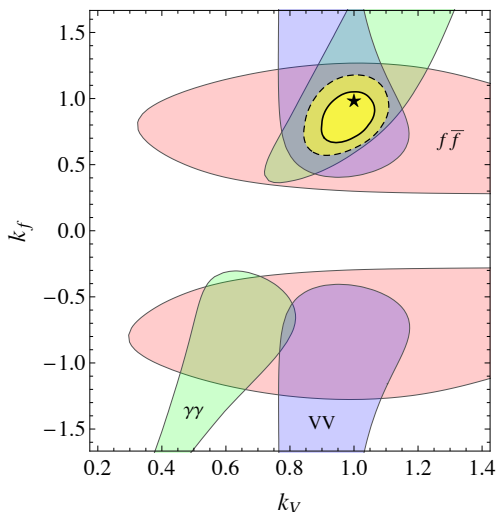
# LEPP JOURNAL CLUB

**Marco Farina**  
**Cornell University**



## Higgs: Interpretation and Implications

The recently discovered Higgs boson is providing us with a wealth of data that if properly analyzed can give insight into the nature of electroweak symmetry breaking. While the couplings of the observed particle are highly compatible with those of the Standard Model Higgs boson, it is possible to extract more information by employing global fits. I will give an overview of such methods performed with the data collected at the LHC and Tevatron. I will review the implications for scenarios extending the electroweak symmetry breaking sector of the Standard Model, in particular supersymmetry and composite Higgs models.



**Friday**  
**April 19, 4:00pm**  
301 Physical Sciences Building  
(Refreshments, 3:45pm)

