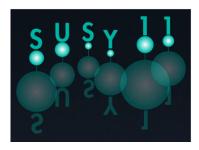
## Supersymmetry 2011 (SUSY11)



Contribution ID: 355 Type: not specified

## Impact of Z' near the Z-pole and flavor violating couplings

Monday, 29 August 2011 12:15 (20 minutes)

It is shown that Z' with couplings to electron and b-quark with a mass close to the mass of the Z-boson provides an excellent fit to AFBb, Ae obtained from the hadronic final states, and other observables relevant to b-quark final states around and above the Z-pole. In this talk, allowing Z' to have additional flavor violating couplings, I'll discuss its impact on muon g-2, lepton flavor violating processes and like-sign dimuon charge asymmetry.

**Presenter:** Dr KIM, Sung-Gi (Indiana University) **Session Classification:** Parallel Session 3