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## **Correlating new physics signals in flavor physics and possible impact for collider experiments (15' + 5')**

*Thursday, 4 August 2016 17:00 (20 minutes)*

There are several lingering anomalies in flavor physics. There is the long-standing issue of the discrepancy between inclusive and exclusive  $V_{ub}$ . Semi-leptonic decays  $B \rightarrow D(\ell) \tau \nu$  when compared with  $B \rightarrow D(\ell) l \nu$  [for  $l = \mu, e$ ] show deviation from the SM as seen by BABER, Belle and LHCb. And then there is also the long-standing deviation in  $g-2$  of muon from the SM. In this talk

An attempt will be made in this talk to study the correlations in the possible new physics signals effecting these processes and their possible impact on collider physics

**Primary author:** SONI, Amarjit (BNL)

**Presenter:** SONI, Amarjit (BNL)

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