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Type: **Talk**

## Overview on $|V_{xb}|$ determination

*Monday, 28 August 2017 17:10 (40 minutes)*

Flavour physics is currently well described by the Standard Model except for some measurements which could be signalling new physics. We discuss anomalies in rare exclusive semi-leptonic B decays and in  $R_{K/D^{(*)}}$  ratios, which appear to challenge a cornerstone of the Standard Model, the lepton universality. These anomalies have reached a high level of statistical significance. We survey the theoretical efforts towards convincing dynamics beyond the Standard Model, the experimental status, and the directions of further investigation.

### **Topic:**

Topic: High Energy Particle Physics

### **Summary**

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**Session Classification:** Workshop on Future of Fundamental Physics

**Track Classification:** A High Energy Particle Physics: