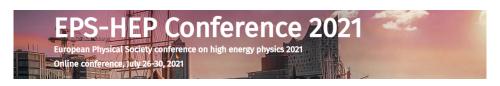
### **EPS-HEP2021** conference



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# Measurement of semitauonic b-hadron decays

Tuesday, 27 July 2021 10:45 (15 minutes)

The semileptonic b-hadron decays with a heavy lepton are sensitive to new couplings like those generated by charged Higgses or Leptoquarks. The B-Factories and LHCb have previously performed various measurements of these decays, using different approaches and techniques. A global average of these measurements shows a discrepancy with the Standard Model expectations, which is above 3 standard deviations. A measurement of the combined ratios BF(B->D tau nu)/BF(B->D mu nu) and BF(B->Dtau nu)/BF(B->Dmu nu) using 3/fb collected by LHCb in Run1, is presented.

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## **Collaboration / Activity**

LHCb

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