

## **B- $\rightarrow$ D(\*) $\ell\nu$ at BaBar and Lambda\_b- $\rightarrow$ Lambda\_c taunu at LHCb**

*Tuesday 24 September 2024 10:30 (30 minutes)*

I will present two sets of results:

1/ legacy BaBar B- $\rightarrow$ D( $\ell$ ) $\nu$  with  $\ell=e/\mu$ , angular analyses. This will cover <https://arxiv.org/abs/2311.15071> and an update to: <https://arxiv.org/abs/1903.10002>, including all lattice B- $\rightarrow$ D results in a joint BaBar+lattice fit.  
2/ Lambda\_b - $\rightarrow$  Lambda\_c taunu, for 3-prong hadronic tau, at LHCb. The Run1 R(Lc) analysis is being updated to Run1+2. This includes a separate update to BR(Lambda\_b- $\rightarrow$ Lambda\_c 3pi), for the normalization mode. I will also discuss possibilities for angular studies in this mode, including both 3-prong Lambda\_c- $\rightarrow$ pKpi, and 2-prong Lambda\_c - $\rightarrow$  {pKs, Lambda0pi} modes.

**Author:** DEY, Biplab (Eotvos U.)

**Presenter:** DEY, Biplab (Eotvos U.)

**Session Classification:** Heavy to heavy exclusive