



Contribution ID: 38

Type: **Presentation**

## The $B \rightarrow \pi \pi l \bar{\nu}$ transition

*Monday 11 September 2023 17:00 (30 minutes)*

is the smallest and least known of all CKM matrix elements; it's currently determined primarily through the exclusive process  $B \rightarrow \pi \ell \bar{\nu}$ , and additional channels to determine it are welcomed by the community. I will present progress toward a lattice QCD determination of the matrix from the  $B \rightarrow \pi \pi \ell \bar{\nu}$  process, where the  $\pi \pi$  system is in a P-wave and features the  $\rho(770)$  resonance as an enhancement. After an overview of the theoretical framework, I will discuss some preliminary results.

**Primary author:** LESKOVEC, Luka (Ljubljana U)

**Presenter:** LESKOVEC, Luka (Ljubljana U)