



$$\underline{B_d^0 \rightarrow K_1^0 \mu^+ \mu^-}$$

- Sensitivity study to determine whether there will be enough events in Run 3 at LHCb to be significant for analysis.
- Searching for right-handed weak currents using the opposite parity K^* decay channel.
- Potential to look at \bar{B}_d^0 for CP violation.

Vertex LOcator Alignment

- VELO sensors need aligning - transformations to go from their ideal position their real position.
- Combining measurements of various offsets - sensors on tiles, modules in the cavern etc.

