

LHCb

$$B_s^0 \rightarrow K^- \mu^+ \nu_\mu$$
$$q^2 < 7 \text{ GeV}^2/c^4$$



LCSR (Khod.& Rus.2017)

$$B_s^0 \rightarrow K^- \mu^+ \nu_\mu$$
$$q^2 > 7 \text{ GeV}^2/c^4$$



LQCD (MILC2019)

$$\Lambda_b^0 \rightarrow p \mu^- \bar{\nu}_\mu$$
$$q^2 > 15 \text{ GeV}^2/c^4$$



LQCD (Detmold2015)

$$|V_{ub}|_{\text{excl}} / |V_{cb}|_{\text{excl}} \text{ (PDG)}$$



0

0.1

0.2

$$|V_{ub}| / |V_{cb}|$$