New Hadronic States at LHCb
STEVEN BLUSK\textsuperscript{1}, Syracuse Univ

The LHCb experiment has enabled an unprecedentedly large sample of $b$-hadron decays to be collected and studied in great detail. These samples are being used not only to search for the presence of new physics in the decays of $b$-hadrons, but to probe the very nature of QCD. In particular, these samples provide a unique laboratory in which to study scalar mesons, such as the $f_0(980)$ and the $\sigma$, as well as more exotic states, such as the $Z(4430)^-$. In addition, these samples have enabled searches for, and discoveries of, additional excited $b$-hadron states, such as the $\Xi_b'$ and $\Xi_b^*$. The speaker will review recent results on new hadronic states studied at LHCb.

\textsuperscript{1}On behalf of the LHCb Collaboration.