The 22nd International Conference on
Strangeness in Quark Matter
22-27 March, 2026, Los Angeles, CA

Contribution ID: **101** Type: **Oral Presentation**

Femtoscopy studies at LHCb

Tuesday, 24 March 2026 11:35 (20 minutes)

Femtoscopic techniques provide unique insights into particle production mechanisms in hadron collisions, as well as interactions between short-lived hadrons. The LHCb detector's excellent momentum resolution makes it well-suited for studies of femtoscopic correlations. In addition, LHCb's vertex reconstruction and particle identification capabilities allow for studies of femtoscopic correlations between pairs of heavy hadrons. Recent results on femtoscopic correlations between both light and heavy hadrons will be presented.

Authors: PYBUS, Jackson Reeves (Los Alamos National Laboratory); LHCB COLLABORATION

Presenter: PYBUS, Jackson Reeves (Los Alamos National Laboratory)

Session Classification: Parallel VI: Correlations