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# Flavourful Feebly-Interacting Particles for flavour and g-2 anomalies

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Flavourful Feebly-Interacting Particles (FIPs) in the MeV to GeV range have a strong impact on precision frontier observables ranging from rare meson decays to the lepton anomalous magnetic moments. We use an effective field theory approach "SM+X"along with the HEPfit package to study the effect of FIPs on B to K observables. We present an updated study of the available parameter space and constraints, focusing on FIP scenarios allowing for a simultaneous fit of both the $R_{K^{(*)}}$ and the $(g-2)_\mu$ anomalies. We further present an explicit UV realization.

## Summary

**Authors:** DARMÉ, Luc Jean Marie (INFN - National Institute for Nuclear Physics); SESSOLO, Enrico Maria (NCBJ, Warsaw); FEDELE, Marco (KIT); Dr KOWALSKA, Kamila (National Centre for Nuclear Research)

**Presenter:** DARMÉ, Luc Jean Marie (INFN - National Institute for Nuclear Physics)

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