

- Physicists involved in the group

- University: Hervé Chanal (10%), Stéphane Monteil (15%), Pascal Gay (50%).
- CNRS: Romain Madar (20%)
- PhD: Lars Roehrig (100 %, co-tutelle Dortmund), T. Miralles (5%).

- Activities

- Flavour Physics: rare decays (e.g. $B^0 \rightarrow K^{*0} \tau^+ \tau^-$) and CP violation studies (e.g. semileptonic asymmetries and model-independent exploration of BSM contributions in mixing of neutral mesons. Convenership of Flavour Physics PWG.
- Top observables: SMEFT Wilson coefficients constraints (LR's PhD.) on short term, initiation of flavour observables and electroweak observables at the Z pole on the longer term. Connections to ECFA studies.
- Detector development: ultra-high resolution EM calorimeter in coll. with IJCLab and IP2I, focus on GRAiNITA.

- Post-doctoral position activities — LHCb and FCC.
 - FCC (50%):
 - Studies of the Pulse Shape discrimination in crystals.
 - GRAiNITA prototype development.
 - Case study for ultra-high energy resolution EM calorimeter.
 - LHCb (50%):
 - Analysis of Run II data and preparation of the Run III analyses.
 - Amplitude analyses on charmless hadronic or radiative decays depending on the actual needs / opportunities.
 - Possibility of participation to the operation of the new LHCb tracker: SciFi.