# Status of the UT angles Zenodo project

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# What is there already

- Sandbox (test) upload of β results:
  https://sandbox.zenodo.org/records/454138

  $C_{CP}$ and $S_{CP}$ averages of $b \to c\bar{c}s$, $b \to q\bar{q}s$, $b \to q\bar{q}d$, $b \to s\gamma$, $b \to d\gamma$, … , transitions (HFLAV.json is ~5.5k lines long).

- Official upload of the quantities we provide to the PDG (α and γ):
  https://zenodo.org/records/19024185

  Averages of α and γ and related inputs (HFLAV.json is ~4.7k lines long).

# What we are planning to add

- Figures (no progress on that, sorry);
- Averages of parameters relevant to $\gamma$ and $\alpha$: CP asymmetries of specific modes, $x_{\pm}$, $y_{\pm}$, $R_X$, … (the inputs are there already, we want to add the averages);
- Anything else?

# What we are discussing now

- Many of the results that we are averaging are correlated (e.g. because they depend on common parameters such as $\tau_{B0}$, $\Delta m_d$, … );
- In our averages we are handling appropriately these correlations, but how can we provide information on these correlations to an external user who wants to reproduce/update the averages?

- Options on the table:
  1) express the correlations in the “input_correlations” field (that, as far as we can tell is not very widely used across the different WG’s);
  2) make all our code available to the public;
  3) ?

# Summary

- Overall we are in good shape: we ran through the full exercise of creating a Zenodo record;
- Considering more inputs to add to the October 2026 upload;
- We do not foresee any show-stopper.