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New Physics searches in heavy flavors.

Precision determinations of the flavor sector allow the search for indirect new physics signatures.

At the forefront of these studies are the determinations of interference of new physics with known $D_f=1$ and $D_f=2$ processes.

The ATLAS collaboration explores this area with competitive results measuring the CP violating phase ϕ_s from $B_s \rightarrow J/\psi \phi$ decays and investigating rare B decays with dileptons in the final state.

The latest ATLAS results relevant for new physics searches in the heavy flavor sector will be discussed.

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