## **International Workshop on Future Linear Colliders 2025**



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## Higgs, Electroweak and Top quark global fits at Future Colliders

Tuesday 21 October 2025 09:54 (18 minutes)

I will present a global study of the reach in Higgs, electroweak, and top quark couplings at the future highenergy particle colliders proposed in the context of the European Strategy for Particle Physics 2026 Update (ESPPU26). I will discuss electron-positron circular (FCC-ee, CEPC) and linear (LCF) colliders. The global fit results, produced with the latest version of the SMEFiT code, take into account the effect of the renormalization group evolution (RGE) and the available NLO corrections to the SMEFT cross-sections. These new results are presented in terms of bounds on Wilson coefficients and effective couplings, and offer a valuable perspective on the potential of these colliders to probe physics beyond the Standard Model.

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