

# Phenomenology 2022 Symposium: From Virtual to Real



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## Highlights of the ATLAS top quark precision measurements

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The large top quark samples in top quark pair and single top production have yielded measurements of the production cross section of unprecedented precision and in new kinematic regimes. They have also enabled new measurements of top quark properties that were previously inaccessible. In this contribution the highlights of the ATLAS top quark precision program are presented. ATLAS presents in particular new measurements of the production cross section and production asymmetry of highly boosted top quark pairs and of the top quark polarization in t-channel single top production.

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