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## Higher-point lightcone bootstrap in the comb channel

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It is a well-established fact that any conformal field theory with a gap in the twist spectrum must contain families of multi-twist operators, whose spectrum at large spin approaches that of generalized free theory. In this talk, we aim to discuss how the lightcone bootstrap can be applied to five- and six-point correlation functions in the comb channel to constrain the behavior of double- and triple-twist operators. Our analysis yields new expressions for large-spin OPE coefficients involving two double-twist operators, as well as the leading-order anomalous dimension matrix for triple-twist operators. The latter offers valuable insight into how the degeneracy of triple-twist primaries in the free-theory limit gets lifted by the inclusion of interactions.

**Autore principale:** QUINTAVALLE, Lorenzo (Laval University)

**Coautore:** Dr. KAVIRAJ, Apratim (IIT Kanpur); Dr. MANN, Jeremy (King's College London); Sig. HARRIS, Sebastian (DESY); Prof. SCHOMERUS, Volker (DESY)

**Relatore:** QUINTAVALLE, Lorenzo (Laval University)

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