Contribution ID: **100** Type: **not specified**

From tree-level perturbation theory to S-matrix bootstrap in two dimensions

Wednesday, 16 December 2020 14:00 (30 minutes)

In the past the bootstrap program has been able to find analytical results for the S-matrix of a variety of (1+1)-dimensional integrable models. Its connection to standard Feynman diagrams computations is however still unclear, in particular the underlying mechanism responsible for the cancellation of all non-elastic processes. In the talk I will show how bootstrap relations connecting different S-matrix elements and the absence of non-elastic scattering emerge at tree-level from perturbation theory for the class of untwisted affine Toda theories.

Would you be interested in receiving feedback on your talk?

Yes

Will you be pre-recording your talk?

No

Length of talk

15-25 minutes

Are you happy for your talk to be recorded?

Yes

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