"String amplitudes on the black hole background and the GFZZ duality"

In this talk, I will revisit the computation of scattering amplitudes in two-dimensional string theory on a black hole background. I will present recent results on duality symmetries between non-compact conformal field theories which amount to describe the corresponding worldsheet theory in terms of seemingly different integrable models, which turn out to be solvable. I will review the so-called Generalized Fateev-Zamolodchikov-Zamolodchikov (GFZZ) conjecture, recently proposed by Giveon, Itzhaki, and Kutasov.

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