

Speaker: Andrea Dei

Title: String correlators on AdS3

Abstract: We revisit the computation of string worldsheet correlators on AdS3 with pure NSNS background flux. We solve all known symmetry constraints in multiple examples and for the first time provide a closed formula for 3 and 4-point functions with arbitrary amount of spectral flow. An intriguing singularity structure emerges. We identify bulk poles of string theory correlators and in some cases explicitly compute the associated residues, making direct contact with recent proposals for the dual CFT2. Based on 2105.12130, 2107.01481 and 2203.13264 with Lorenz Eberhardt.