



Contribution ID: 169

Type: **not specified**

## Towards a non-relativistic AdS/CFT duality

*Thursday 12 January 2023 11:20 (30 minutes)*

It is well-known that non-relativistic limits of a string theory modify its background geometry, which no longer remains Lorentzian. This opens a new window into non-AdS holography, for instance by taking a non-relativistic limit of the most studied and understood case, namely strings in  $\text{AdS}_5 \times \text{S}^5$ . Although its non-relativistic dual field theory has not been identified yet, in this talk we shall focus on the string side of the correspondence. We report on recent progress in non-relativistic strings in  $\text{AdS}_5 \times \text{S}^5$ , namely on classical solutions, semiclassical expansion and a Lax pair.

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**Session Classification:** 30' Contribution