

Non-relativistic corners of N=4 super Yang-Mills

Wednesday, 10 August 2022 16:55 (20 minutes)

I consider limits of N=4 super Yang-Mills that approach BPS bounds. These limits result in non-relativistic theories that describe the effective dynamics near the BPS bounds and upon quantization are known as Spin Matrix theories. In this talk, I will present convenient methods to determine the interacting Hamiltonian of these theories, proving the positivity of their spectrum. This approach points towards a better understanding of controlled finite N effects in the AdS/CFT duality.

Presenter: BAIGUERA, Stefano