Abstract

Sectors of N=4,d=4 U(N) super-Yang-Mills theories which preserve 1/2 of the 32 supercharges has recently attracted attentions of string theorists. It has been proposed that each of these 1/2 BPS sectors, which closed onto themselves, can be described by a simpler (gauge) theory with 16 supercharges. One such example corresponds to the LLM geometries. In this group meeting session we will discuss the recent paper by Lin-Maldacena where they have extended the LLM work as well as consider a new 1/2 BPS sector with SU(4—2) SUSY.