• Dirac fields in BTZ Adamantia Zampeli (University of Lethbridge)

We present some results from the study of the Wightman function for Dirac fields in a 2+1 dimensional BTZ black hole. As a first result, we find that this function obtains the form of a product of thermal distributions, and we use it to calculate the response function of an Unruh-DeWitt detector confined in this spacetime.