

A method to reanalyze Dark Matter experimental results in different theoretical scenarios

Wednesday 26 July 2017 16:30 (15 minutes)

There are a number of papers that calculate how the limits or positive results of current experiments would be if some specific twist is applied to the standard interpretation framework (e.g., SI interactions with $f_p \neq f_n$). These works are usually not performed by members of the experiments, and therefore make very simple assumptions on experimental details like efficiencies. Nevertheless, it is possible to retain this type of information without actually knowing it, by starting from the final exclusion plots and working backwards. This possibility is discussed and exemplified.

Author: GIULIANI, Franco (Shanghai Jiaotong University)

Presenter: GIULIANI, Franco (Shanghai Jiaotong University)

Session Classification: Dark Matter

Track Classification: Dark Matter