LHC Dark Matter Working Group:
Next-generation spin-0 dark matter models

List of contributions

Contents

- **Giuliano Gustavino,** Inputs on experimental monojet constraints.
- **Kristian Hahn,** Inputs as DMWG organizer for this effort.
- **Ulrich Haisch,** Main editor, organization of material, inputs on both theory and experimental part of the document.
- **Lars Henkelmann,** Design of 2HDM+a parameter scans, kinematic distributions for mono-Higgs, 2HDM+a cross-sections and sensitivity estimates for mono-Higgs.
- **Junji Hisano,** Comments on the direct detection part of the white paper.
- **Anders Huitfeldt,** Sensitivity projections for the scalar model, simplified models to scalar model re-scaling studies.
- **Valerio Ippolito,** Inputs on experimental monojet constraints.
- **Felix Kahlhoefer,** Final reviewer of the white paper. Inputs on treatment of resonances, indirect detection, relic density.
- **Greg Landsberg,** Contributions to $bb + E_T^{\text{miss}}$ part of the paper and Fig. 43.
- **Fabio Maltoni,** Review of document, addition of relevant references.
- **Benedikt Maier,** Design of 2HDM+a parameter scans, CMS studies on mono-Higgs.
- **Kentarou Mawatari,** Review of document, addition of relevant references.
- **Margarete Muehlleitner,** Final reviewer of the white paper.
- **Jose M. No,** Stability study of the 2HDM+a, towards definition of benchmarks for mono-h and mono-Z analyses.
- **Priscilla Pani,** 4-top studies (cross-section, model implementation, interference with SM checks). Wt+MEt signature studies.
- **Giacomo Polesello,** Rescaling of DMSimp to 2HDM+a, heavy flavor signature studies.
- **Darren D. Price,** Final reviewer of the white paper.
- **Tania Robens,** Input on inert doublet model. Final reviewer of the white paper.
- **Isaac W. Sanderson,** Work on direct detection constraints, relic density, 2HDM+scalar model.
- **Rui Santos,** Final reviewer of the white paper.
- **Stanislava Sevova,** CMS studies on heavy flavor signatures.
- **David Sperka,** Final reviewer of the white paper.

- **Kevin Sung,** Inputs on heavy flavor signatures.
- **Tim M. P. Tait,** Inputs as DMWG organizer for this effort.
- **Francesca C. Ungaro,** Help with coordination of ATLAS heavy flavour signatures, MC simulations of the scalar model, validation of the results.
- **Eleni Vryonidou,** Review of document, addition of relevant references.
- **Shin-Shan Yu,** Design of 2HDM+a parameter scans, CMS studies on mono-Higgs.