

BSM models in Vector Boson Scattering processes

Wednesday 4 December 2019 - Thursday 5 December 2019

LIP Lisbon



Book of Abstracts

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Welcome

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Theory introduction on BSM models

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Experimental SM results in multi-boson / VBF / VBS and future prospects

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Theory introduction on EFT (remote)

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VBS simplified models

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BSM discovery vs. EFT validity

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Goldstone boson scattering in composite Higgs models

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Composite Goldstone Higgs models

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Looking forward: Exclusive production

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Standard Model Extensions (singlet, 2HDM, triplet. i.e. all models where the SM couplings are reduced)

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Constraints from Global Fits (remote)

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Discussion on how to implement actual exp. analyses

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Non-Linear EFT and BSM models

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Charged Higgs

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Neutral Naturalness, VBS and VBF

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Doubly Charged Higgs from VBF at NLO with MG5aMC@NLO

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Machine Learning: Looking for a small signal in a large background

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Outreach event

The event takes place in bar Má Língua, in Graça.
Rua da Senhora do Monte 1C, Lisboa

and here is a map: <https://goo.gl/maps/ujsM43ymQMdDxAG9>

On Wednesday at 19:30, Ricardo Barrué and Giles Strong will talk about their PhD theses in an PubhD outreach event:

<https://www.facebook.com/events/3306845562690987/>

This event is being organised in partnership with the PubhD de Lisboa (<https://pubhdlisboa.wordpress.com>).

The idea of these conversations is that PhD students discuss their research with the public in the relaxed ambiance of a bar.

You are all invited!

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Closing session

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Experimental results on BSM constraints in EW sector and future prospects

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VBSCan@Helsinki (20-21 February 2020)

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