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Recommendation letter for Lucia Hosekova

Valencia, February 19, 2012,

Dear Colleagues,

It is a pleasure to write in support of Dr. Lucia Hosekova for a postdoctoral research position at your institute.

Lucia Hosekova is, since November 2011, an Early Stage Researcher (ESR) in our group within the Marie Curie Initial Training Network LHCPhenoNet (<http://www.lhcphenonet.eu>). She joined the network at the very final phase of her PhD, which is devoted to the calculation in the Standard Model of the NLO QCD corrections to the production of electroweak gauge-bosons pairs (WW, WZ and ZZ) in association with two jets at the LHC, including the subsequent leptonic decay of the W's and Z's, namely NLO corrections with six-particle final states. Besides being a very challenging calculation, this process constitutes the main irreducible background to the production of the Higgs boson through vector boson fusion (VBF), hence the importance of providing accurate theoretical predictions. First results for W^+W^+jj have led to a recent publication, and are the core of her PhD that she defended last September at the University of Zürich under the supervision of Prof. Ansgar Denner.

Since the start, she has participated actively in all the network events organized by LHCPhenoNet, giving talks at the different meetings, as well as in our institute. Since January she is seconded for three months to one of the industrial partners of the network, Maplesoft at Waterloo (Canada), where she is having the opportunity to work in a professional environment and learn further about efficient programming.

I thus recommend her for a research position in your group.

Sincerely yours,

Dr. Germán Rodrigo