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## Recommendation Letter for Kristaq Suxho

Dear Prof. Branco,

This is a recommendation letter in support for Kristaq (Qristos) Suxho's application for postdoctoral position at your Institute. Kristaq is a final year postgraduate student at the University of Ioannina, under my supervision. It is expected to submit his PhD thesis before summer 2013. During his PhD, Kristaq has acquired expertise on Quantum Field Theory and applications mainly to Beyond the Standard Model Physics such as Higgs decays, fermion non-decoupling effects and dark matter detection phenomenology.

Kristaq was one of the best graduate students ever at University of Ioannina. His grade 88.2% , has listed him at the top of the students here. Quantum Mechanics, Electrodynamics and Maths were among his best courses. He scored 90% in my QFT (Peskin and Schroeder level) postgraduate course. As an undergraduate, he was awarded twice a distinction from I. Latsis Foundation. As a first year postgraduate student he was awarded a three year I.K.Y Greek scholarship after written qualifying national exams – only two students in Greece were successful in the subject of physics.

Kristaq started his PhD thesis in November 2008. He has published two papers and there is one recently appeared in the arXiv and is under referee's consideration. He studied three relatively different subjects: Dark matter direct detection of WIMPs scattered off atomic electrons (published in NPB), heavy fermion non-coupling effects and their impact on trilinear vector vertices at LHC (published in PRD) and finally a field theoretic analysis on the (topical)  $h \rightarrow \gamma\gamma$  decay (sent to Advances in High Energy Physics journal). For his last paper on  $h \rightarrow \gamma\gamma$  decay is particularly proud since he started it and finished it completely by himself. A letter from Prof. Jackiw sent to us confirming the correctness of this paper made him really a very happy man! He is now working on top-quark FCNCs in generic MSSM and in parallel he is writing up his PhD thesis.

It is not an exaggeration if I say that I have never seen a PhD-student so capable and technically so skilful in currying out difficult calculations. For one to convince himself/herself is enough to look at the Appendix of his second paper on anomalous fermion contributions to triple gauge boson vertices. Quantum Field Theory calculations is his strongest point and if you need a young postdoc to work along these lines of research, Kristaq is the person to hire.

Kristaq is a very good speaker although he is a bit shy. He speaks with clarity and plainness. He has given talks in various places here in Greece. He never misses a seminar here at the department. He has also attended SUSSP65 at St. Andrews in UK, a LHC phenomenology school in Turin, Italy, and (Pre-) SUSY-10, in Bonn (Germany).

As a person, Kristaq is very friendly and polite, always willing to help. He is an enthusiastic young researcher, honest, clever and *very* hard working. He was an outstanding Physics undergraduate student and his 4-year PhD research experience here at Ioannina Univ. has also given him a broad knowledge of physics. With the acquired skills and expertise, Kristaq can conduct research in a wide range of topics in Particle Physics theory/phenomenology with emphasis on QFT calculations, and I believe that his appointment in your institution will be of mutual benefit.

In summary, I *strongly* recommend Kristaq's application for one of your post-doctoral positions. With this saying, I remain at your disposal for any questions you may have concerning his application.

Sincerely yours,

Athanasios Dedes