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Trieste, November 19, 2012

To the selection committee,

I am writing this letter in support of the application of Dr. Alessio Maiezza for a postdoctoral fellowship in your Institution.

I know Alessio since about two years. At the time he was working at his PhD. thesis under the supervision of Fabrizio Nesti and Zurab Berezhiani.

We collaborated to a paper on the impact of the chromomagnetic effective operators in flavor physics observables arising in beyond the standard model setups. In particular, we scrutinized in detail left-right symmetric scenarios with parity restored at an energy regime in the LHC reach. Previously he contributed to a general analysis on flavor and CP constraints on this framework with Goran Senjanovic and collaborators.

In our analysis we addressed short and long-distance issues in the evaluation of the loop induced dipole operators contributions to direct CP violation in neutral kaon decays. We focused on the evaluation of the hadronic matrix elements based on the chiral quark model phenomenological approach.

In spite of the fact that our research interactions have mostly relied on email I could appreciate Alessio's effort in learning in a reasonable short time the basics of the approach and the computational tools needed to work out the calculations. Alessio has shown to love his work and to devote to it plenty of time. He likes a pleasant "strong interaction" with his collaborators thereby stimulating frequent discussions. He has a genuine critical attitude that allows him to deepen his understanding of the topic (though he had to learn the hard way not to be mislead by the hurry in getting the results).

I leave to his advisor and closer collaborators a more comprehensive and detailed assessment on his research potential, but I got definitely positive feedbacks from my interaction with Alessio and I believe he may perform well in our field and be a reliable and active actor in the "tough" search for a more fundamental understanding of the more than ever successful standard chromo-electroweak theory.

Yours sincerely

Stefano Bertolini