



Prof. Dr. W. Hollik
Director

Tel. +49 (0) 89/3 23 54-395

Fax +49 (0) 89/3 23 54-501

hollik@mppmu.mpg.de

January 20, 2013

Letter of recommendation for Leonardo di Giustino

Dear Colleagues,

this letter is to support the application of Leonardo di Gustino for a post-doctoral position at your institution.

Leonardo is presently on a short-term visiting scientist position in the theory department of the Max Planck Institut für Physik. Before, he was at SLAC collaborating with Stan Brodsky; from this collaboration an interesting result has come up, the *Principle of Maximum Conformality* (PMC) which allows to reduce the scale uncertainty in perturbative QCD considerably. Applications so far have been made to the production of top-quark pairs and the $t\bar{t}$ charge asymmetry at the Tevatron. More applications, in particular for Higgs physics, are at work.

During his visit at our institute, Leonardo has established contacts with the experimentalists of ATLAS to study the application of PMC also to jet physics. Moreover, he gave a very interesting seminar showing the power of PMC for specific inclusive processes. Since in the meantime NNLO calculations have become available also for distributions, a more detailed investigation of PMC is possible now for less inclusive quantities, which among others is part of Leonardo's activities.

Leonardo is an interesting candidate for a post-doctoral position who deserves a serious consideration.