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Piotr Hajlasz* (hajlasz@pitt.edu), **Jacob Mirra** and **Armin Schikorra**. *Hölder continuous mappings, differential forms and the Heisenberg groups*. Preliminary report.

In the talk we I will discuss new developments of the theory of pullbacks of differential forms under Hölder continuous mappings with applications to the geometry and topology of the Heisenberg groups. In particular a new proof of the non-embedding theorem of Gromov and new results about Hölder homotopy groups of the Heisenberg groups will be discussed. (Received February 04, 2019)