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Elisa Gorla, Relinde Jurrius, Hiram H. López* (hhlopezv@gmail.com) and **Alberto Ravagnani**. *Rank-Metric codes and q -Polymatroids*.

On this talk we will introduce the concepts of Rank-Metric codes and q -Polymatroids. Then we will associate a pair of q -Polymatroids to a rank-metric code and show that several invariants and structural properties of the code are captured by the associated combinatorial object. (Received September 25, 2018)