1104-52-244 **M. Alfonseca-Cubero***, maria.alfonseca@ndsu.edu, and **M. Cordier** and **D. Ryabogin**.

Rotations of projections of convex bodies. Preliminary report.

Let K and L be two convex bodies containing the origin. If for each hyperplane passing through the origin, the projection of K can be rotated around the origin to fit inside the projection of L, can K be rotated to fit into L? We will present counterexamples and additional conditions so that the result is true. (Received September 02, 2014)