1158-57-213   **Feng Luo**, **Matthias Goerner** and **Maria Trnkova*** (`mtrnkova@math.ucdavis.edu`), One Shields Ave., Davis, CA 95616. *Spun triangulations of closed hyperbolic 3-manifolds.* Preliminary report.

W. Thurston showed that every hyperbolic 3-manifold can be decomposed into a set of ideal tetrahedra and also simple closed geodesics (for closed manifolds). Unfortunately such a decomposition sometimes produces overlapping or flat tetrahedra, a so called non-geometric ideal triangulation. There is a conjecture that every cusped hyperbolic 3-manifold admits a geometric ideal triangulation. We are interested in spun (ideal) triangulations of closed hyperbolic 3-manifolds. SnapPy's census provides 11031 orientable closed hyperbolic 3-manifolds. According to HIKMOT all of them admit a geometric spun triangulation except one, it is known as Vol3. In this talk we show that Vol3 does not have any geometric ideal triangulation of small complexity up to 6. The main techniques that we use are Thurston's Dehn surgery theorem, Dehn parental test and a gluing variety. (Received March 02, 2020)