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Sujoy Mukherjee* (mukherjee.166@osu.edu) and **Dirk Schuetz**
(dirk.schuetz@durham.ac.uk). *Arbitrarily large torsion in Khovanov homology*. Preliminary report.

Khovanov homology, an invariant of knots and links, is a categorification of the Jones polynomial. My talk will focus on some new results regarding torsion in Khovanov homology while keeping a very important question in mind. What does torsion in Khovanov homology signify? We will see how torsion in Khovanov homology behaves under the connected sum operation for certain knots and links. Using this, I will establish that torsion in Khovanov homology can be arbitrarily large. (Received September 15, 2019)