1163-16-1171   **Yevgenia Kashina*** (`ykashina@depaul.edu`) and **Yorck Sommerhäuser** (`sommerh@mun.ca`).

On Biproducts and Extensions.

In this talk, we will discuss the biproducts of certain cocommuative Yetter-Drinfel'd Hopf algebras from the point of view of extensions. There are exactly four different ways to write them as extensions, which will be described in the talk. Two of these extensions are abelian, but not cocentral. The other two extensions are not abelian and involve a nontrivial 16-dimensional Hopf algebra. In particular, these Hopf algebras cannot be constructed as extensions of a group of order 2 by a large commutative Hopf algebra. (Received September 14, 2020)