1129-05-388 **Maria Gillespie**, **Jake Levinson*** (jakelev@umich.edu) and **Kevin Purbhoo**. *Schubert curves in the odd orthogonal Grassmannian.* Preliminary report.

The rational normal curve in $\mathbb{P}^{2n}$ has a natural orthogonal structure: its tangent flags are isotropic for a canonical symmetric form on the associated $\mathbb{C}^{2n+1}$. I will discuss the geometry of intersections of Schubert varieties with respect to (a finite number of) such flags, in the odd orthogonal Grassmannian $OG(n, 2n+1)$. When the intersection has dimension 1, it is called a (Type B) Schubert curve, and its real algebraic structure is explicitly determined by the combinatorics of shifted semistandard tableaux, jeu de taquin and certain "Type B crystal operators". This is joint work with Maria Gillespie and Kevin Purbhoo. (Received March 21, 2017)