1086-20-2381   **Oded Yacobi*** (`yacobi@gmail.com`), 33 Salem Ave., Toronto, Ontario M6H3C2, Canada, and **Joel Kamnitzer**, **Ben Webster** and **Alex Weekes**. *Yangians and quantizations of slices in the affine Grassmannian.*

We study slices to Schubert varieties in the affine grassmannian. These are natural objects from the point of view of geometric Satake - they correspond to weight spaces of irreducible representations. We describe a quantization of these slices using subqou- tients of certain quantum groups called Yangians, and discuss the connections with quantizations of symplectic varieties and categorical g-actions. Based on joint work with Kamnitzer, Webster, and Weekes. (Received September 25, 2012)