1110-35-234 **M. Ignatova*** (ignatova@math.princeton.edu) and **V. Vicol**. *Almost global existence for the Prandtl boundary layer equations.*

We address the Prandtl boundary layer equations on the half space with real-analytic initial datum with respect to the tangential variable. The boundary traces of the horizontal Euler flow and pressure are taken to be constants. We establish that if the initial datum lies within $\epsilon$ of a stable profile, then the time of existence for the solution is at least $\exp(\epsilon^{-1}/\log(\epsilon^{-1}))$. This is a joint work with V. Vicol. (Received February 22, 2015)