Grigoris Paouris* (grigoris_paouris@yahoo.co.uk), 2709 Wndwood Dr, College Station, TX 77845. Supergaussian directions and the Hyperplane Conjecture.

Let $\mu$ a log-concave isotropic probability measure in $\mathbb{R}^n$. We will discuss the connection of small ball probability estimates, existence of supergaussian directions for such a measure with a well known conjecture in Convex geometry, known as the Hyperplane Conjecture. (Received September 17, 2008)