## How fast does the Gaussian measure of a convex and symmetric set grow?



## Tomasz Tkocz University of Warsaw

t.tkocz@students.mimuw.edu.pl









## Conjecture

Cylinders are optimal, i.e. the above inequality holds for all  $t \ge 1$ .

## References

[1] R. Latała and K. Oleszkiewicz, Gaussian measures of dilatations of convex symmetric sets, The Annals of Probability, 27 (1999), 1922–1938

[2] T. Tkocz, Gaussian measures of dilations of convex rotationally symmetric sets in  $C^n$ , arXiv:1007.2907v1 [math.PR] (2010)