This talk concerns an $L_p$-extension of the famous Borell-Brascamp-Lieb inequality, which asserts that for any triple of measurable which satisfy reasonable averaging conditions, their integrals exhibit concavity.

As a consequence of this generalization, we extend the $L_p$-Brunn-Minkowski inequality to the class of $\beta$-concave measures on $\mathbb{R}^n$ and prove a related isoperimetric inequality.

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