

## Neutron skin at the LHC - the case of W production

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The notion of centrality in high-energy collisions involving heavy nuclei has lately become a subject of an active discussion. Specifically, the experimental definitions of centrality that have appeared to be well in line with the theoretical expectations in heavy-ion collisions have led to rather weird behaviour when applied to the proton-lead collisions at the LHC and deuteron-gold collisions at RHIC. In this talk, I will address the prospects of calibrating the experimental centrality measures by asymmetries in inclusive W production that are caused by the neutron-skin effect - mutually different spatial distributions of protons and neutrons inside the nuclei.

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