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## Decoding QGP signals with Lund strings at the LHC

*Tuesday, April 20, 2021 2:30 PM (20 minutes)*

In this talk, we will present our novel approach, implemented in PYTHIA8, of including string shoving and forming ropes with strings in a special Lorentz frame, called parallel frame, where we have a pair of strings in symmetric geometry. We will discuss results to check if this formulation can achieve the particle production yields, namely strangeness enhancement, and their  $v_2$  as seen in data from p-p and heavy-ion collisions at the LHC and also present the challenges involved in the new implementation.

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**Session Classification:** Student Talks or Discussion Session