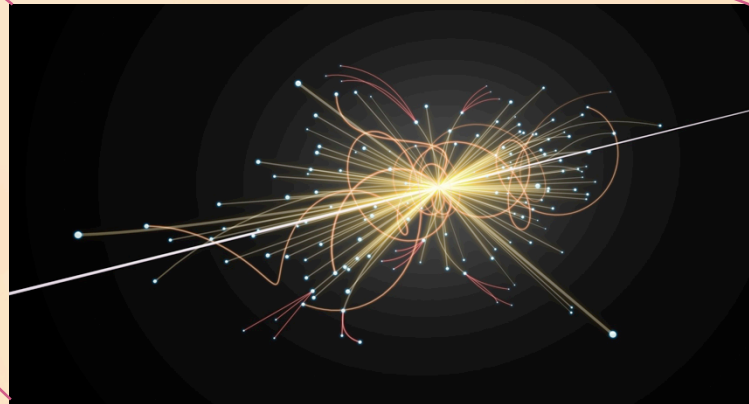
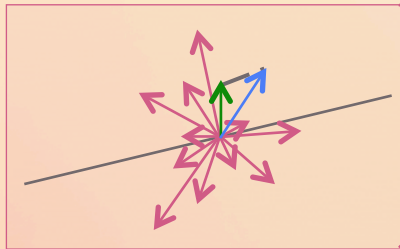




# Study of the event by event mean transverse momentum fluctuations in small collision systems at LHC energies with percolation color sources

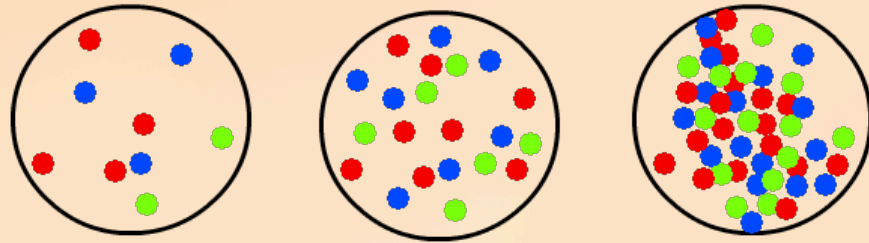


**Cristal Robles Jacobo**

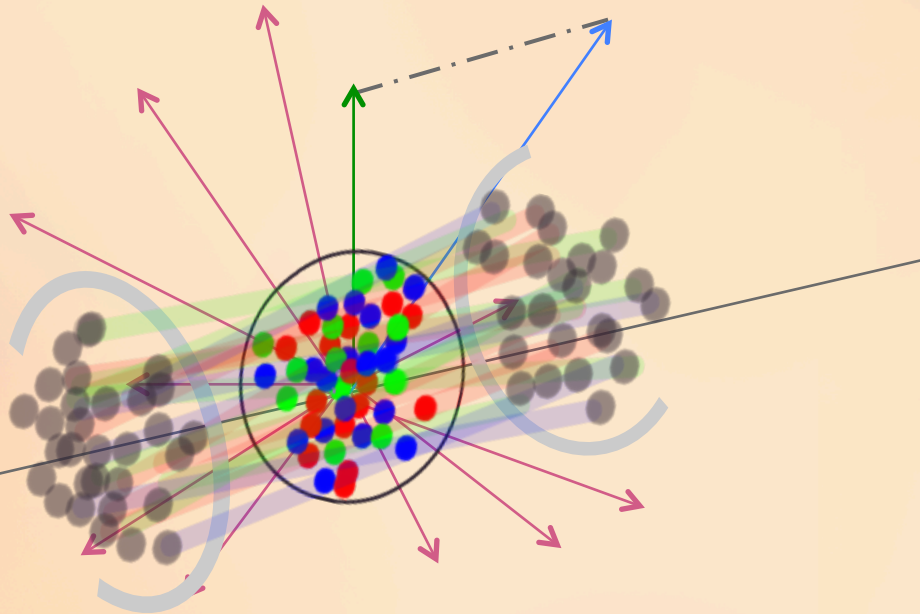
Irais Bautista Guzmán

Pablo Fierro Rojas

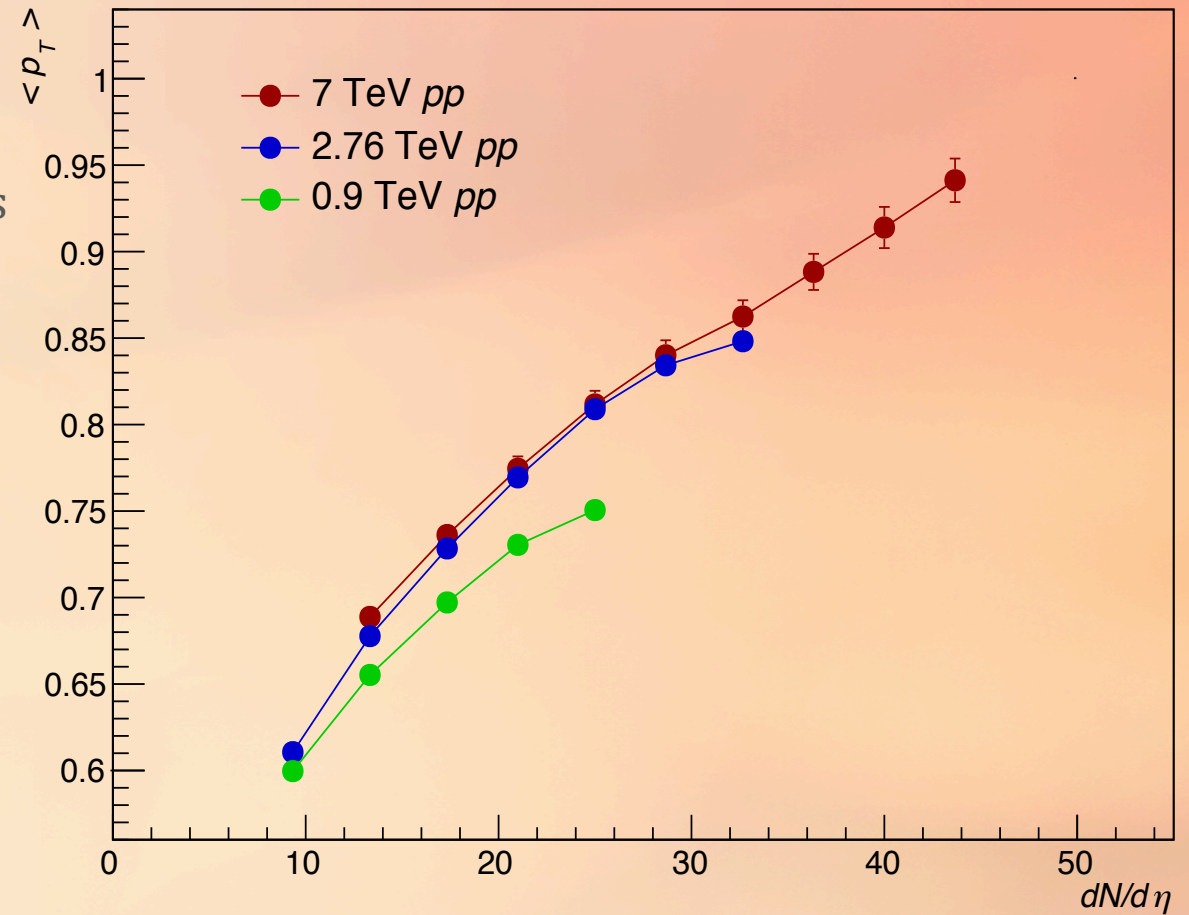
# Event by event $\langle p_T \rangle$ Fluctuations in SPM



Event by event fluctuations of thermodynamic quantities were proposed as a probe for a phase transition from hadronic matter to Quark Gluon Plasma (QGP).



Mean Transverse momentum  $\langle p_T \rangle$



# Results of the Event by Event $\langle p_T \rangle$ Fluctuations

