

- 54 GeV dataset: provides the most precise HF measurements at energy between SPS and top RHIC
- One can study energy dependence of the medium transport properties and color screening vs recombination effects for quarkonia
- With EPD we expect significant reduction of non-flow for  $v_2$  measurements - large uncertainties due to the non-flow in the current  $v_2$  measurements that use TPC for the EP
  - Measurements:  $v_2$  of  $J/\psi$  and NPE
- More statistics can also help to improve the current 54 GeV measurements at mid and high  $p_T$
- With 1-2B events D0 Raa measurements can be possible without HFT (some estimates could be useful)