

TC priorities for simulation studies

An initial list, to be integrated with your inputs

Part of the topics in this list can be addressed to Acs, other will require the direct engagement of DSCs

- To be included in standard simulation plots: the acceptance of the various detector to follow its evolution with layout modifications.
- This following list includes studies for subsystems where there are technical aspects still open:
 - simulations dedicated to soft gamma and to vector meson production in order to optimize the **ZDC configuration**;
 - motivation and requirements for the **backward HCal**;
 - needs in term of space resolution for the **outer MPGD**;
 - impact on physics of **dRICH with single vessel vs dRICH with split vessel**;
 - B0 calorimetry performance: **LYSO vs PbWO₄** .