

Preparation for the FCC CDR

# FCC-hh Physics (Yellow) Report

- Yellow Report published during the summer  
<https://cds.cern.ch/record/2270978/files/CERN-2017-003-M.pdf>
- Includes the HI report that we completed in May 2016 (arxiv:1605.01389)
  - Can consider a version2 of this document during 2018

# FCC Conceptual Design Report

- Includes about 10 volumes (each of ~100 pages)
- Ready, including review by FCC advisory board, by the end of 2018
  - But physics volumes will target FCC week in April 2018
- Will be also submitted as input for European Strategy for Particles Physics at the beginning of 2019
- HI input:
  - Executive summary (“volume 0”): about 1 page for HI (out of 10 pages for all FCC-hh-ee-eh physics)
    - Editorial work will start mid-October
  - FCC Physics volume: ~20 pages for HI
    - in this document, physics part arranged by topic, not by machine → AA and eA together? (nPDFs, smallx)
  - hh detector performance volume: HI specific detector performance? HI physics simulation studies? To be discussed