CH4 HIGGS PROPERTY MEASUREMENTS

- Many channels:
- → To neason Niggs properties, ou needs nany ≠ chanels. Very prediction theory (mh = only misrig parameter)
- → To establish that h is the source of EWSB => meason all coupling to bosons.
- → h >>> suritin to new physics

 heavy particles in the loops
- More boson could be presents.
- O Mass:
- → CMS: 125,08 ±0,12 ±0,10 GeV ~> 0,121/2 uncertainty.
- Thanks to CMS tracker.
- 1 Decays and Spin:
- → For the decay of a scalar:

 0 = 11 + 11 photons -> not with spin 1, and 2 = 11 + 11

 0 = 1/2 + 1/2 b dencions -> 1 = 1/2 + 1/2 + and not with spin 2

 0 = 1 → + 1 → | WZ bosons -> 1 = 1 + 1 + 1 → , and 2 = 11 + 14

 → 2 = 1/2 + 1/2 + 1
- @ Quantum numbers:
- -> SM says h has to be of -> Confirm by statistics.
- Tests of couplings:
- Everything matches vicely SM

