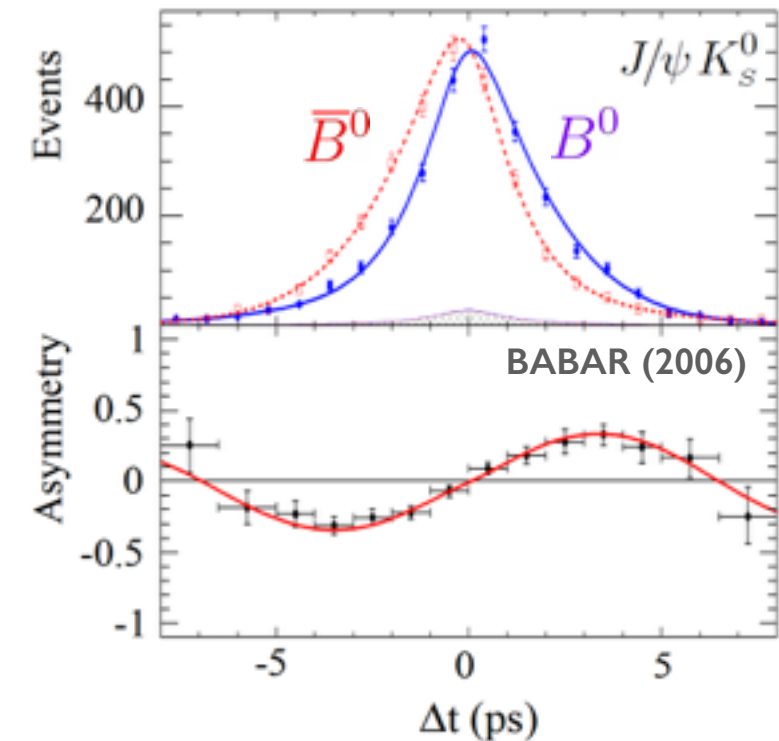


Who I am

Gautier Hamel de Monchenault

- experimental physicist at CEA-Saclay (Irfu/SPP)
- **1989-1992** : PhD thesis in **DELPHI** at LEP-I (CERN)
Time Projection Chamber (TPC)
Looked hard for the Higgs boson but did not find it
... excluded mass range from 0 to 35 GeV @ 95% CL
- **1993-2006** : **BABAR** experiment at PEP-II (SLAC)
Ring-Imaging Cherenkov Particle Identification (DIRC)
BABAR Physics Coordinator in 2000-2001
Discovery of CP violation in the B meson system in 2001
- **Since 2006** : **CMS** experiment at the LHC (CERN)
Electromagnetic Calorimeter (ECAL)
Convener for Electroweak Physics (2010-2011)
Chairman of CMS Publications Committee (2014-2016)
- **Since 2016** : Head of the Particle Physics Division at CEA-Saclay

CP violation in B meson system



Electroweak physics at CMS before Higgs boson discovery

