15 years of fruitful collaboration between French and DOE labs
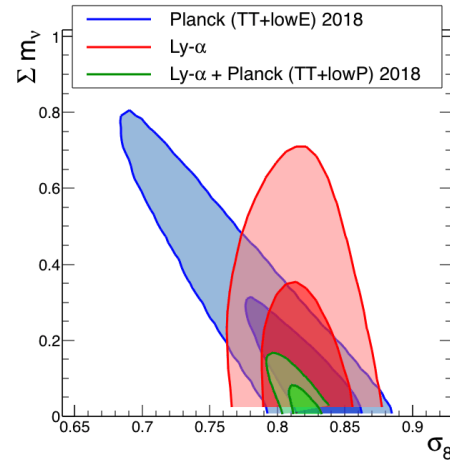
Ch. Yèche
CEA-Saclay

➢ Five French labs supported by three funding agencies (CEA, CNRS and ANR)

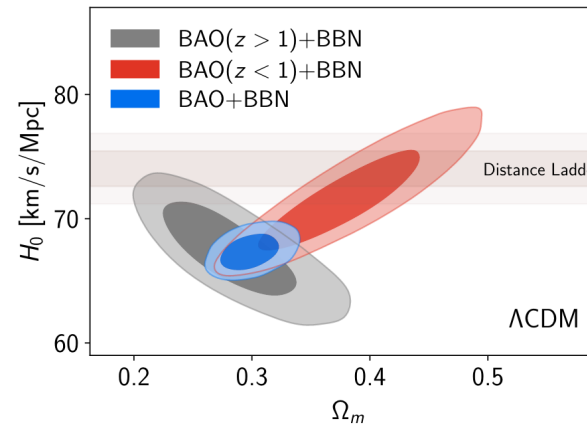➢ Science: clustering of galaxies, quasars, Ly-α forests, and voids
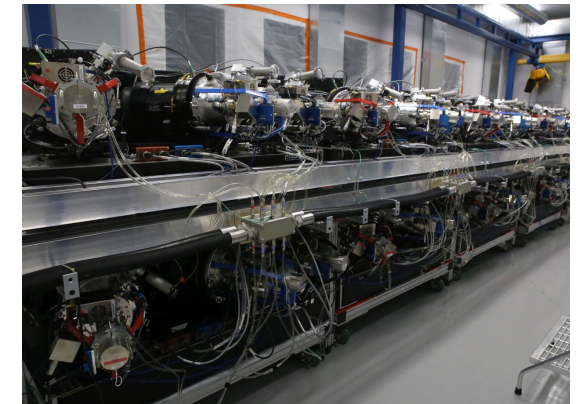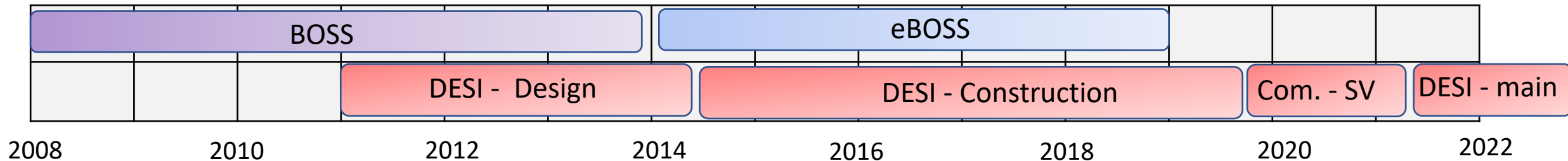

Target selection of quasars

Neutrinos mass with Ly-α forests of quasars

BAO with quasars and Ly-α forests of quasars

Construction of DESI spectrographs

BOSS	eBOSS
DESI - Design	DESI - Construction	Com. - SV	DESI - main

2008   2010   2012   2014   2016   2018   2020   2022

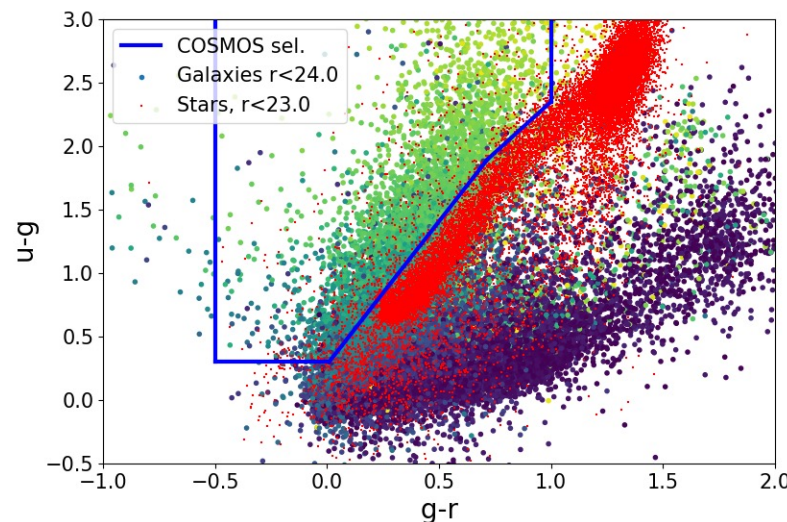# Continued Collaboration with DESI-II and Beyond

Lyman-Break Galaxies (LBGs)

➤ Tracers of the high-z Universe
   2.<z<4
➤ Galaxy clustering
➤ Tomography with Ly-α Forest
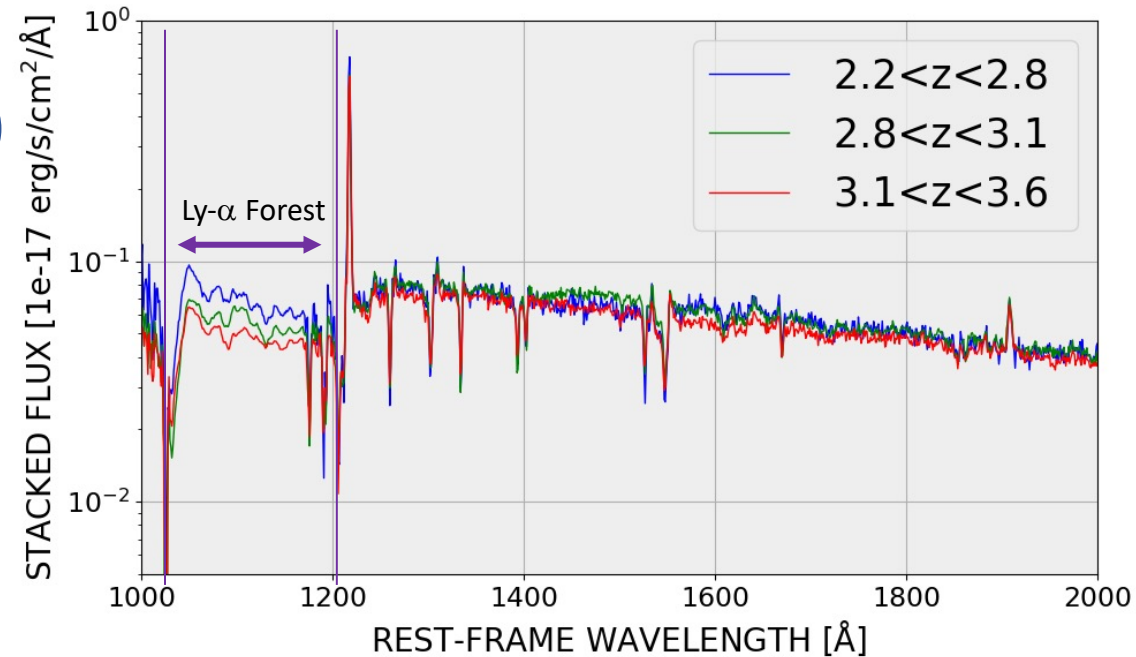
Primordial Physics

➤ Neutrino mass
➤ Inflation

Selection of LBGs

➤ Pilot surveys with DESI
➤ Use very deep u-band provided by CFHT

Canada France Hawaii Telescope CFHT