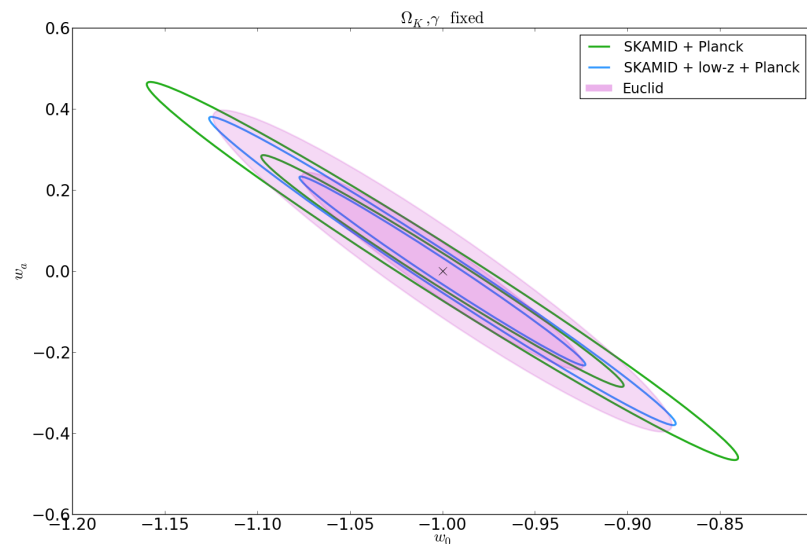
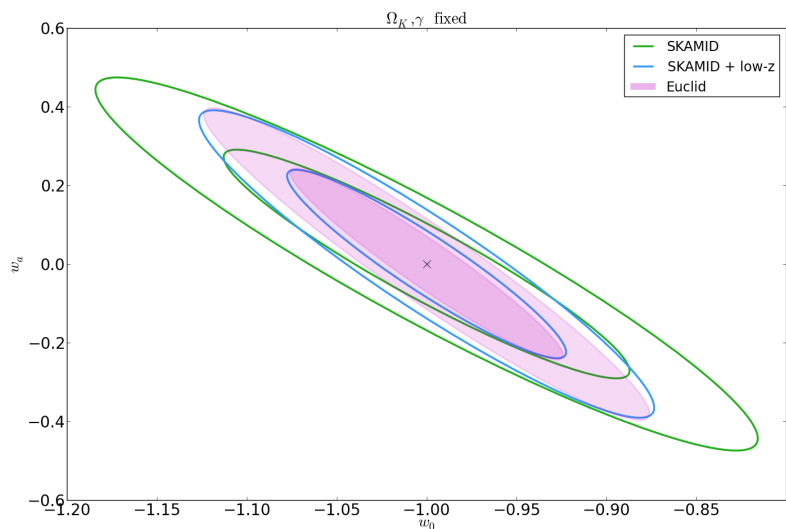


Possible request for change: HI intensity mapping

- ▶ Changes to frequency band? (350–1150 MHz, $0.23 < z < 3$ at the moment)



- ▶ HI Intensity mapping provides the best constraints on dark energy with SKA1 at the moment...

Possible request for change: HI intensity mapping

- ▶ Frequency band: from 350–1150 MHz ($0.23 < z < 3$) to 350–1400 MHz ($0.014 < z < 3$) – RFI issues? (reducing bandwidth will require more integration time and may affect foreground cleaning)
- ▶ Make sure we have the calibration accuracy to reduce polarization leakage
- ▶ Consider drift scanning for the full sky surveys? (stability of the pointings)
- ▶ For the interferometer survey:
 - “only” need 20m to 70m baselines...
 - Can we make a few clusters of ~ 10 dishes packed together within the core?
- ▶ Dish size (not a request):
 - Dish survey prefers larger dishes ($> 30\text{m}$)
 - Interferometer survey would prefer smaller dishes ($< 10\text{m}$)