

Summary So far

• Can uplift AdS/CFT to cosmology

— 2 EFT's + $G R_{D-1}$

Concrete

brane constructions

decouples at late times

— magnetic flavor content surviving at low energies,

$$N_f > N_f^{\text{CFT}}$$

consistent with basic Unitarity checks.

— Can go beyond low energy description, e.g. capturing the $dS_D \rightarrow dS_{D-1}$ warp factor

Other directions

- flux vacua: trade flux for branes to expose dual d.o.f.

cf $N=4$ SYM Coulomb branch

e.g. KKLT: reproduces $SU(N)^b$
and $\frac{C_3}{C_3'} \sim \frac{N'}{N}$

- spherical slicing of static patch:
(Anninos, Hartnoll, Hofman '11)
build up from $AdS_2 \times S^2 \times CY$,
another opportunity for concrete
brane construction.

