



DARK ENERGY SPECTROSCOPIC INSTRUMENT

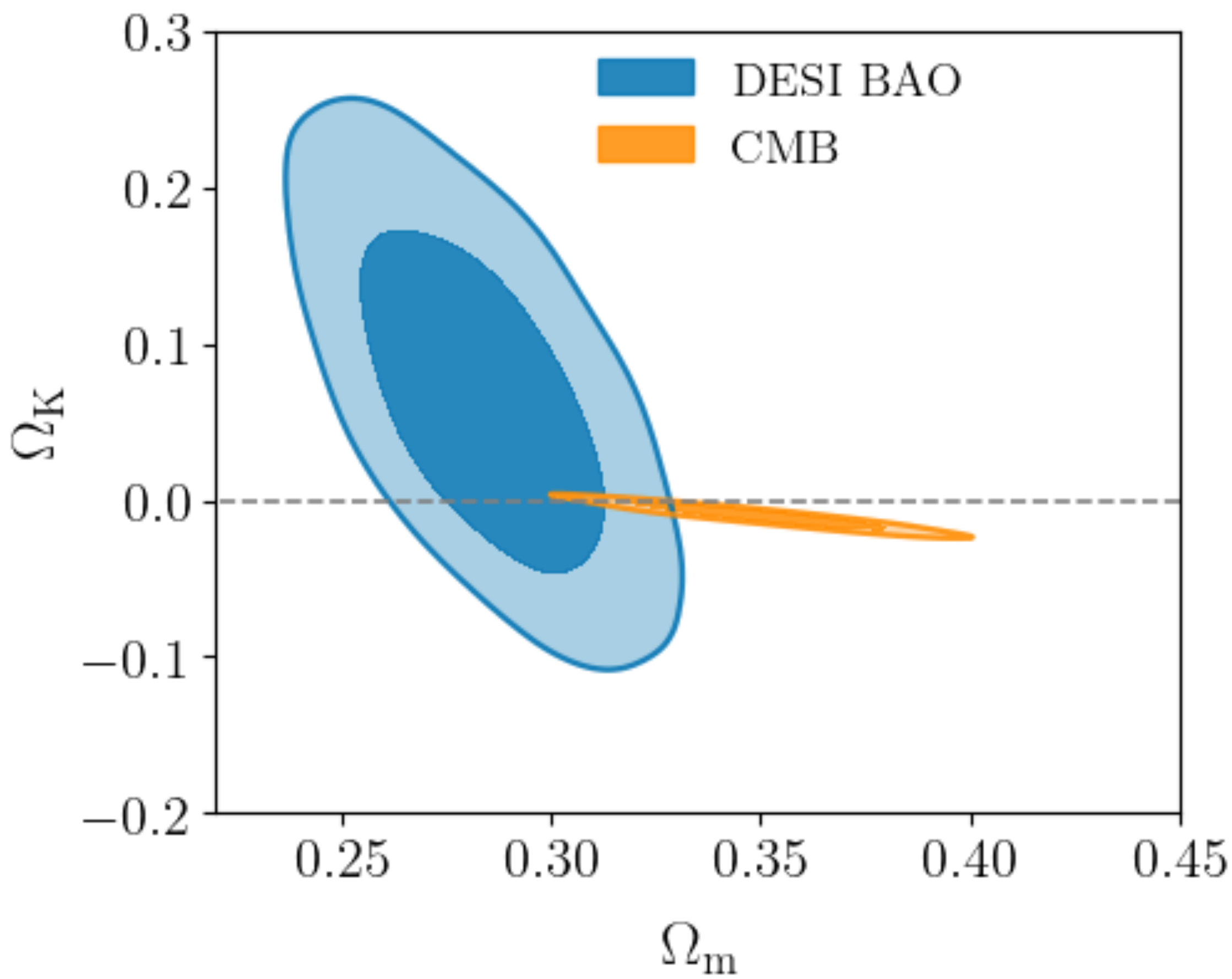
U.S. Department of Energy Office of Science

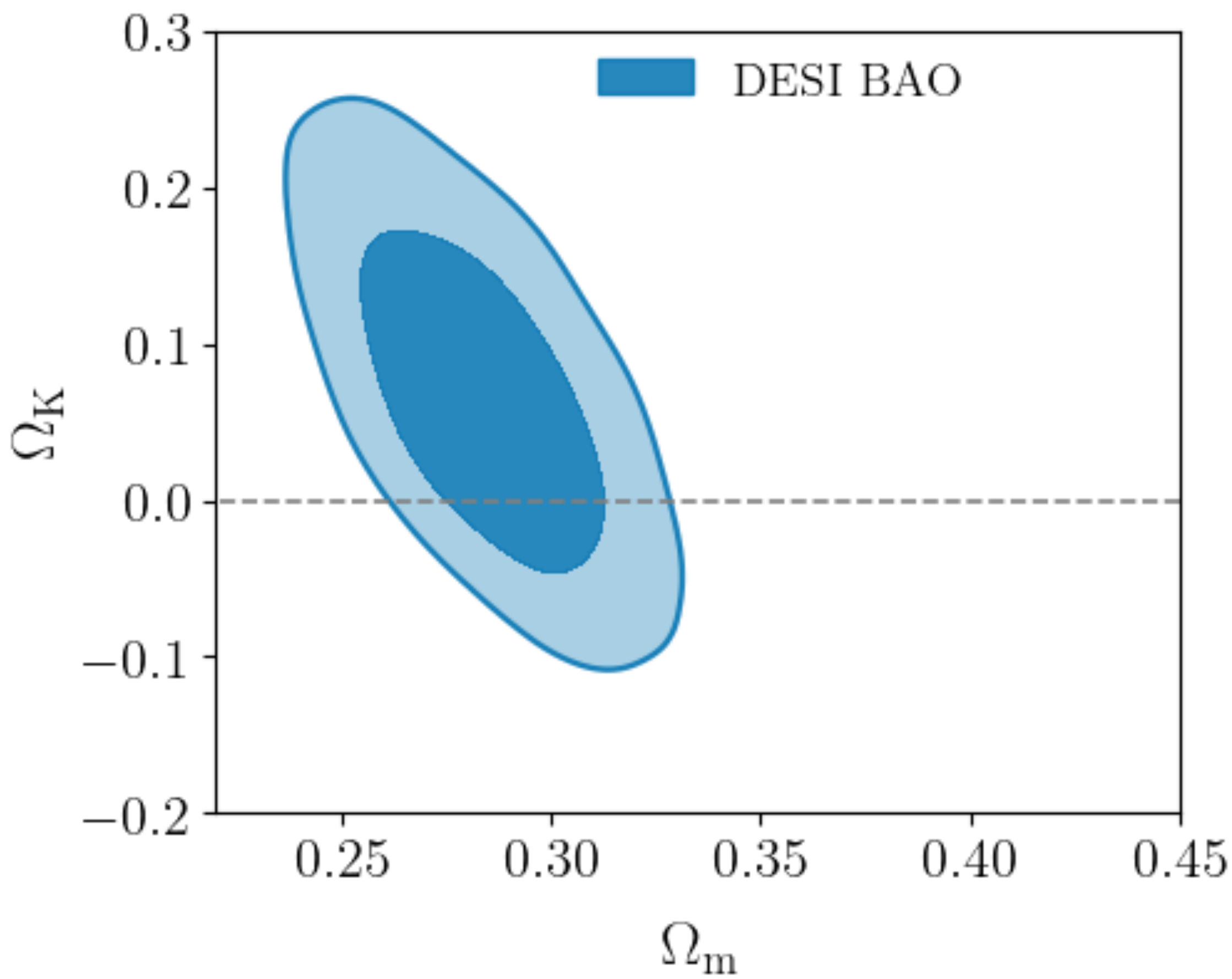
DESIGN LOGICAL CONSTRAINTS - Aug 2024 X11 CNFP @ Crete, Greece, 2024

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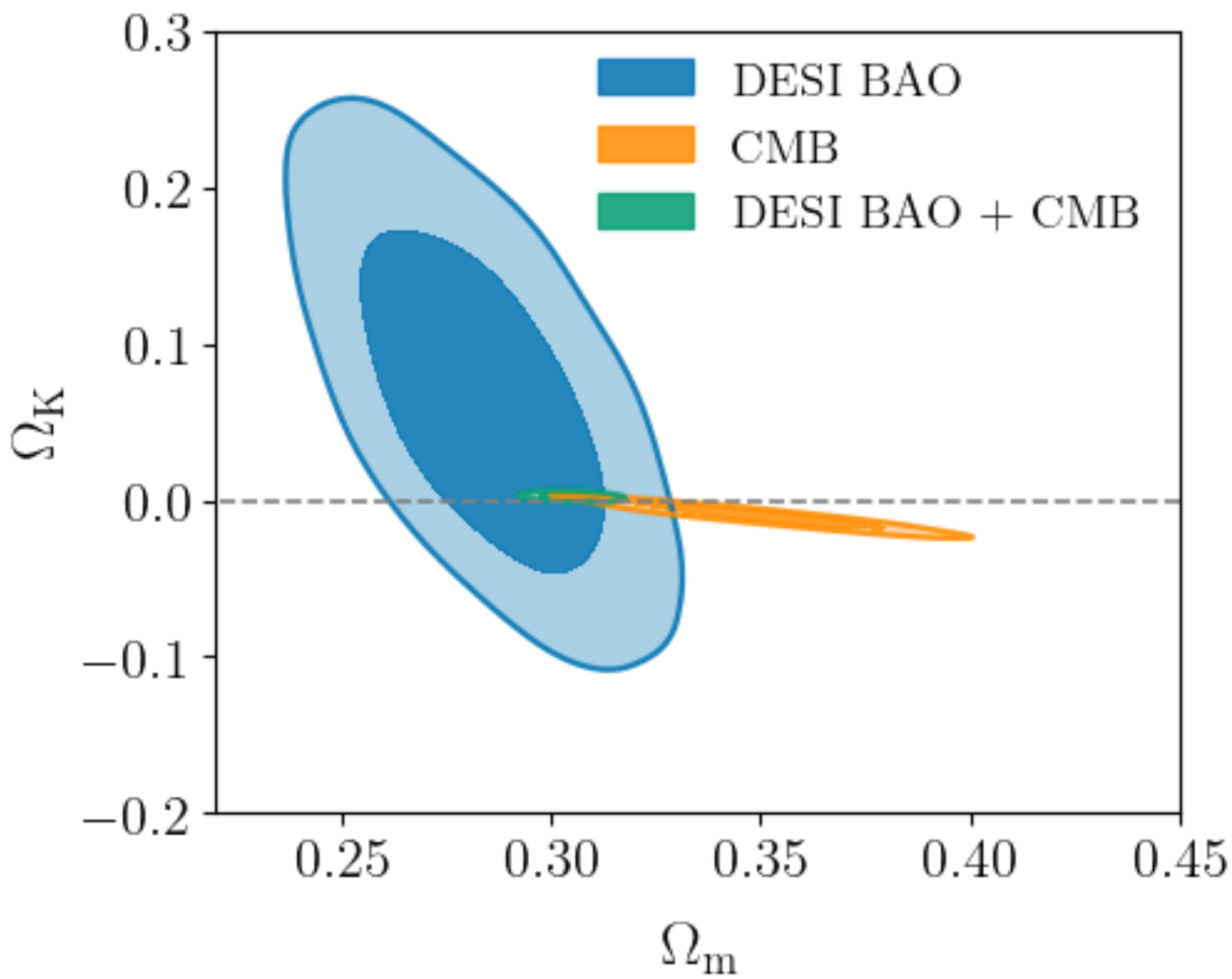
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DESIGN + CONCEPT

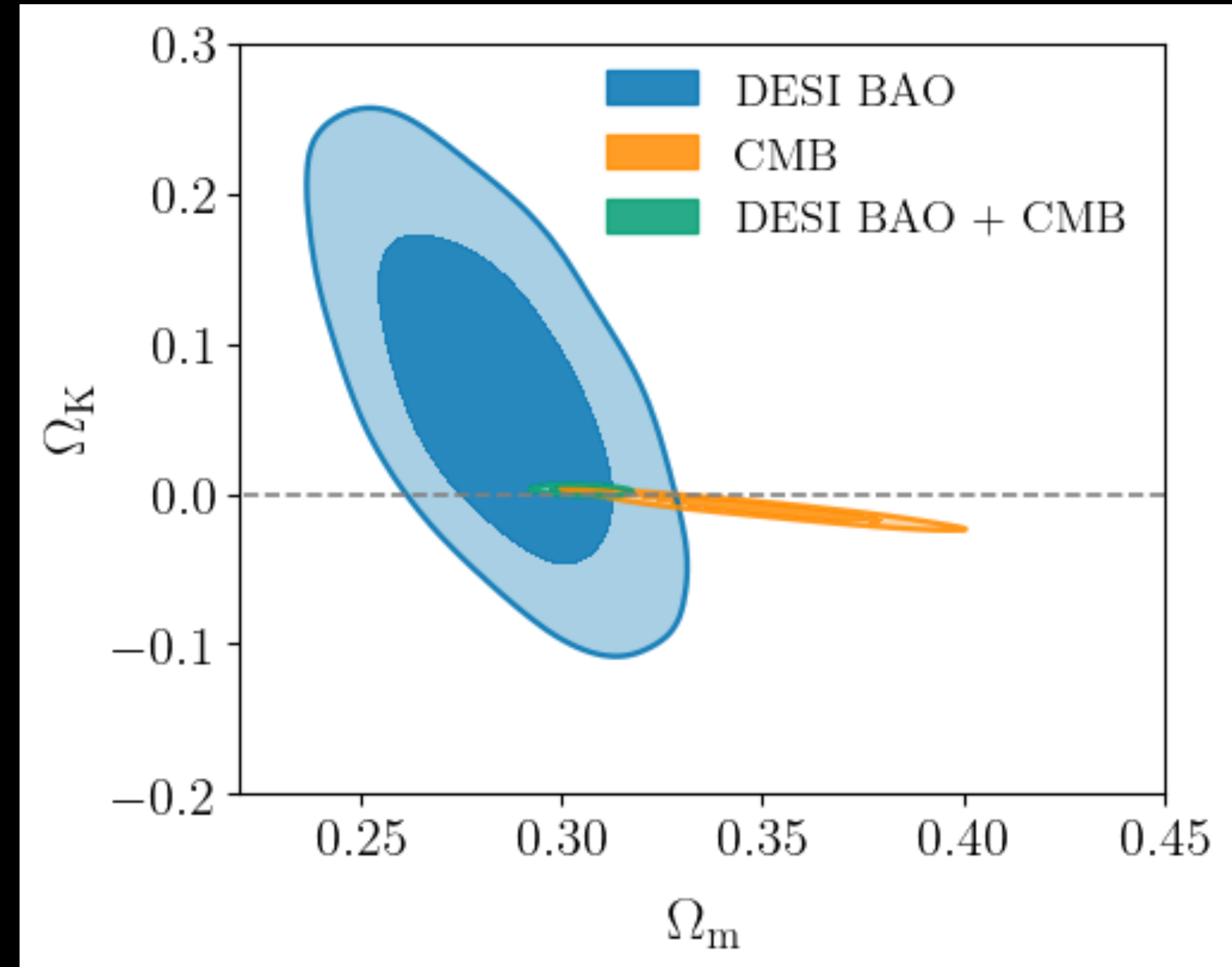


Spatial curvature

DESI + CMB measurements favor a flat Universe

$$\Omega_K = 0.0024 \pm 0.0016$$

DESI + CMB



Dark Energy Equation of State

Constant EoS parameter w

$$\Omega_m = 0.295 \pm 0.15 \quad (5.1\%)$$

$$w = -0.99^{+0.15}_{-0.13} \quad (15\%)$$

DESI

