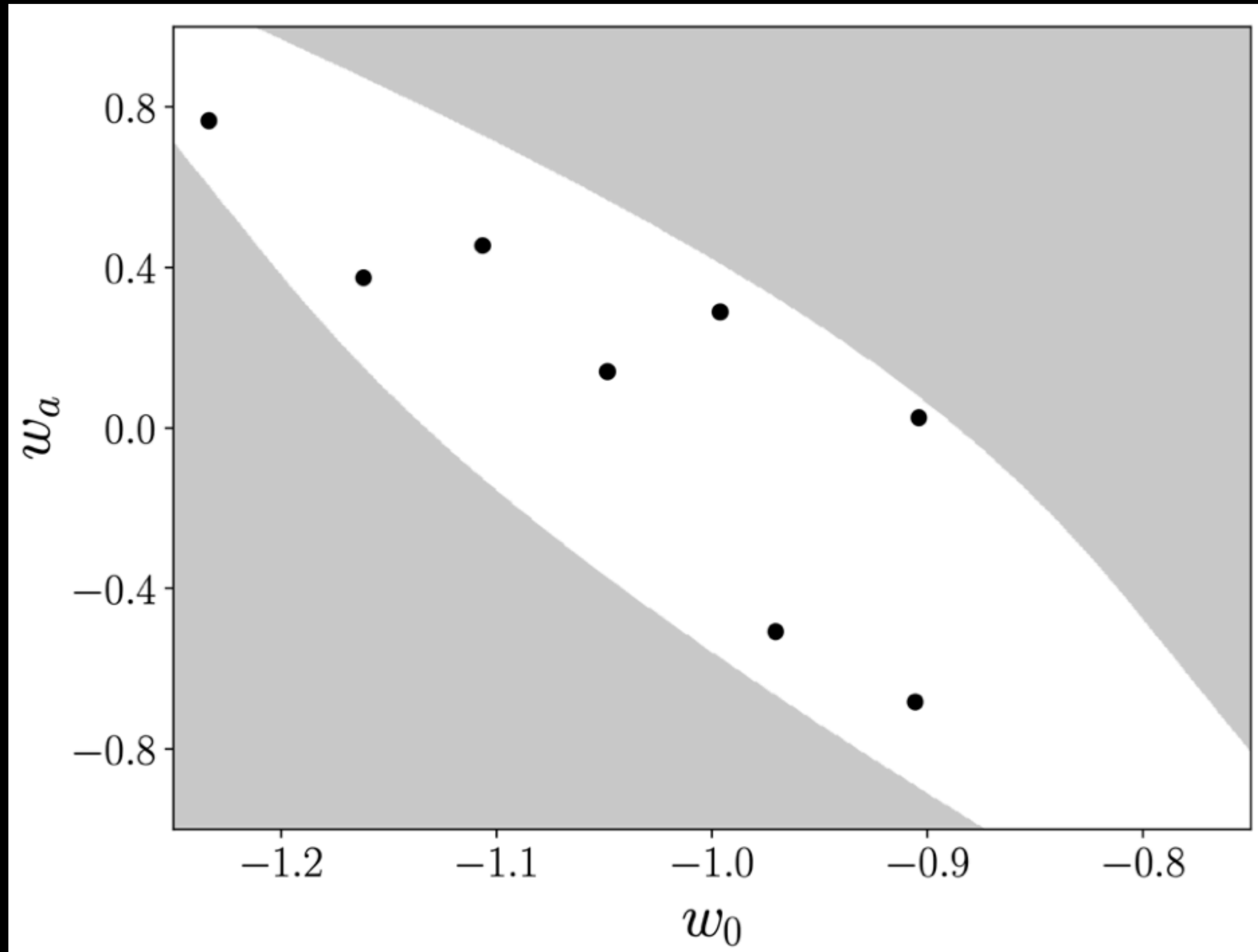


# How is the DESI BAO analysis different?



- **Additional requirement:** shifts in the blinded cosmology to specific regions within the  $(w_0, w_a)$  parameter space
- shifts in  $f$  do not exceed 10 % of the fiducial value,  $f_{\text{fid}} = 0.8$
- 3 % for  $\alpha_{\perp}, \alpha_{\parallel}$  from unity

Validating the Galaxy and Quasar Catalog-Level Blinding Scheme for the DESI 2024 analysis: [U. Andrade et al \(2024\): arXiv:2404.07282](https://arxiv.org/abs/2404.07282)

# DESI Y1 Results

**First batch of DESI DR1** cosmological analyses are out: <https://data.desi.lbl.gov/doc/papers/>

- DESI 2024 I: First year data release
- DESI 2024 II: DR1 catalogs
- **DESI 2024 III: BAO from Galaxies and Quasars at  $z < 2$**
- **DESI 2024 IV: BAO from Lyman- $\alpha$  Forest at  $z > 2$**
- **DESI 2024 V: Galaxies and Quasars at  $z < 2$**
- **DESI 2024 VI: Cosmological constraints from BAO measurements**
- DESI 2024 VII: Cosmological constraint from RSD measurements