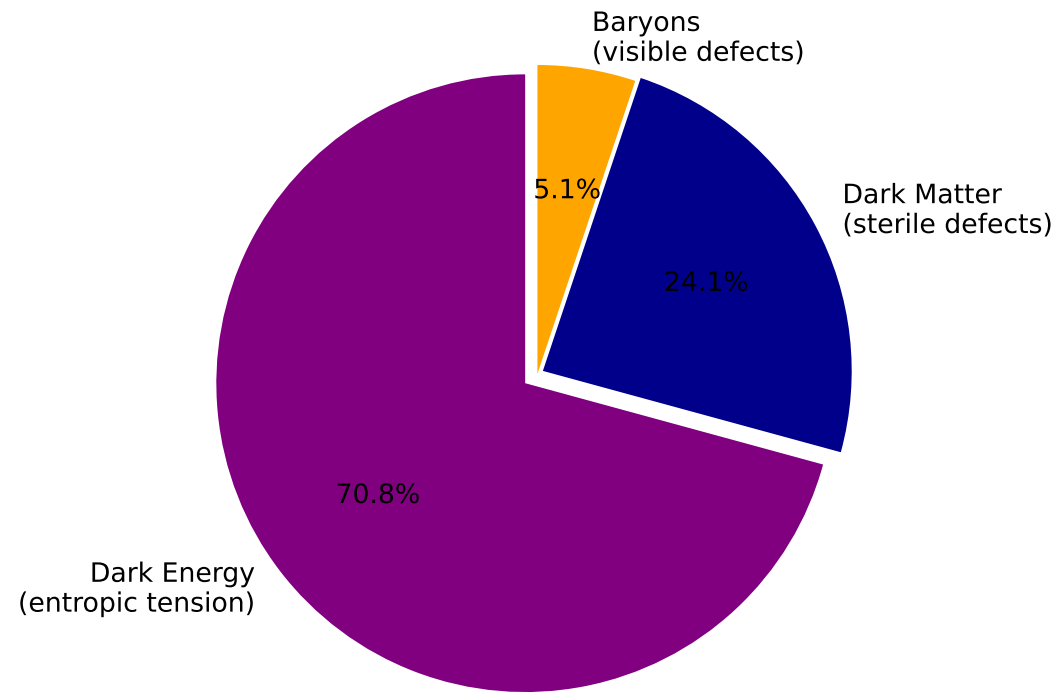
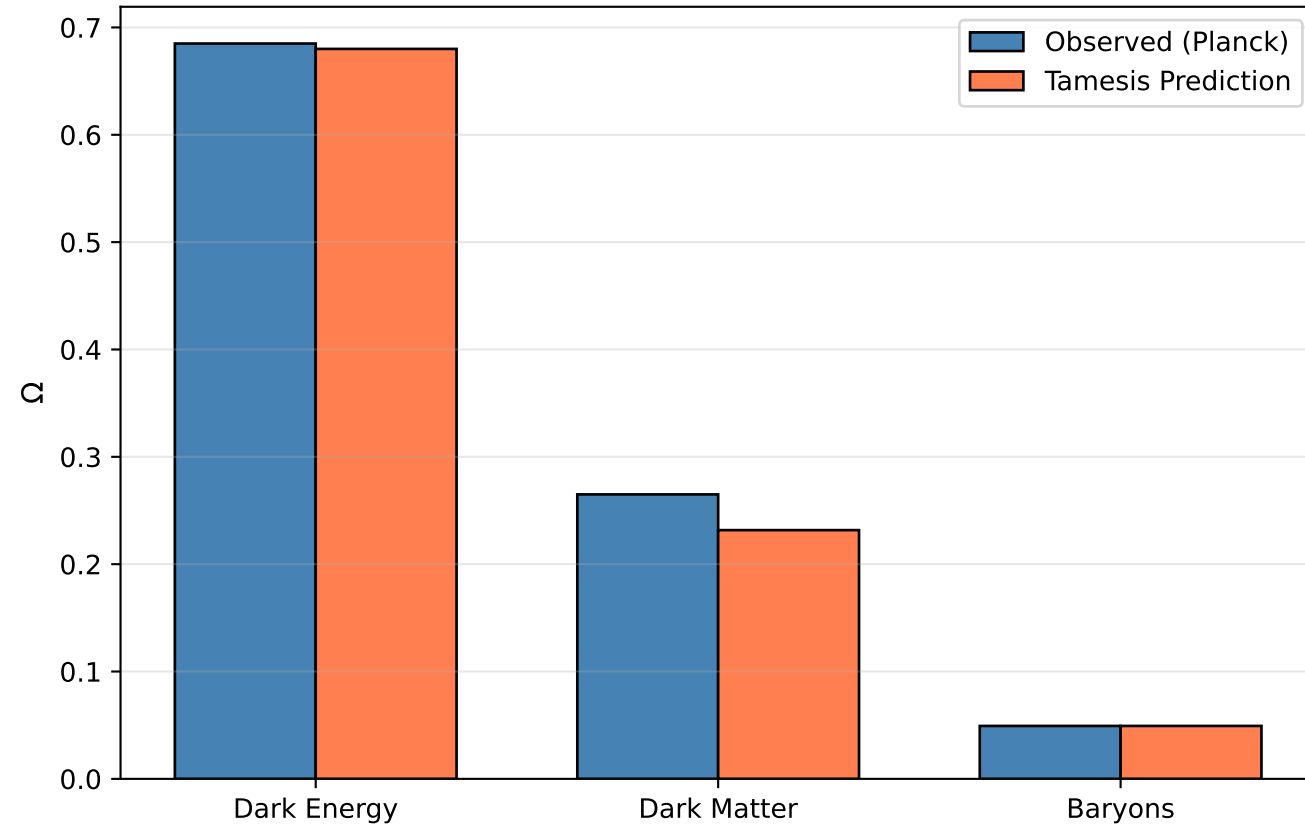


# TAMESIS DERIVATION: Dark Matter and Dark Energy

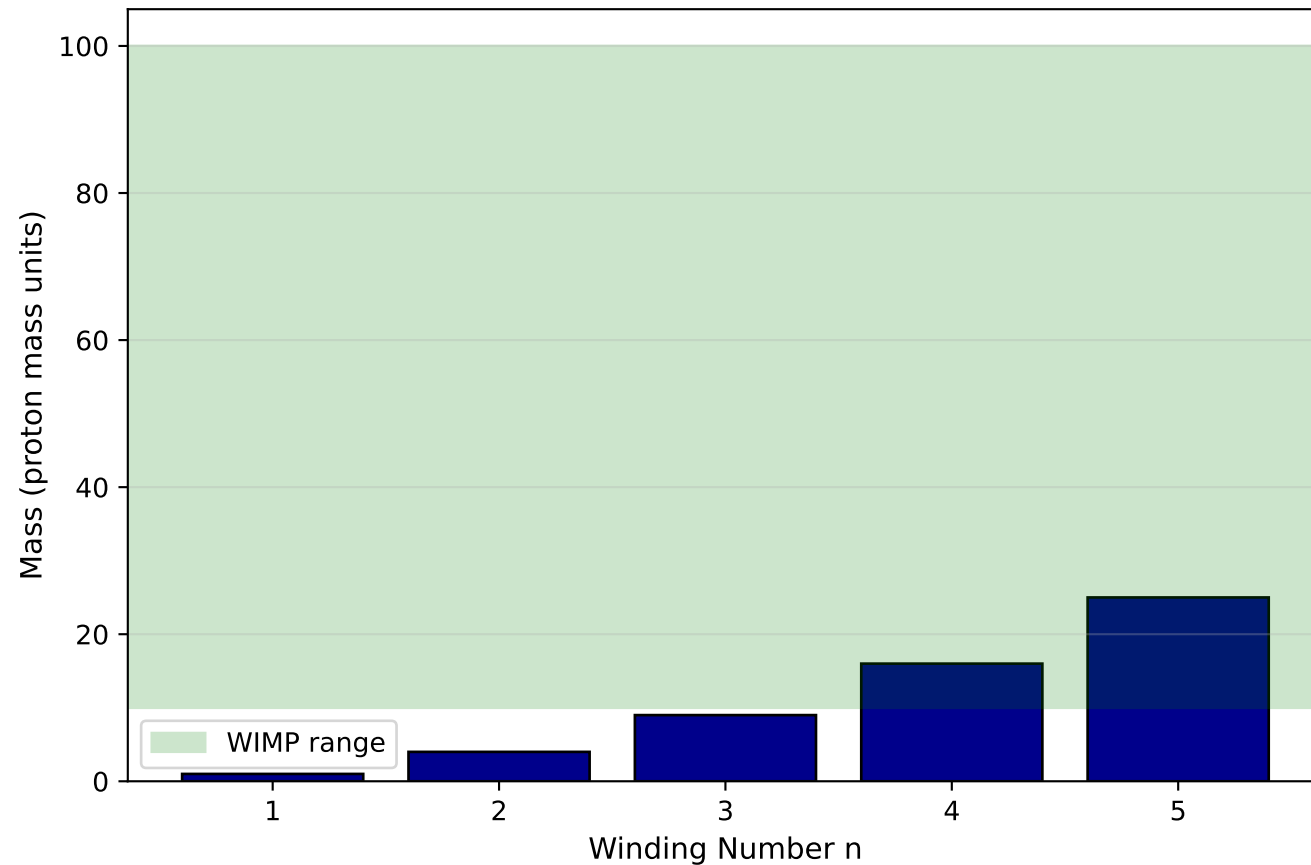
## Tamesis Prediction: Cosmic Energy Budget



## Observed vs Predicted Abundances



## DM Defect Mass Spectrum



## DARK SECTOR IN TAMESIS THEORY

### DARK MATTER:

- NOT a new particle
- Stable topological defects in graph
- Classified by homotopy groups  $\pi_n$
- Ratio DM/baryon  $\sim 5$  from topology

### DARK ENERGY:

- NOT a cosmological constant  $\Lambda$
- Residual entropic tension in graph
- $\Omega_{DE} \sim 0.68$  from thermal partition
- Naturally small (no fine-tuning)

### PREDICTIONS:

- ✗ Direct detection will FAIL
- ✓ Gravitational lensing confirmed
  - ✓ CMB anisotropies match
  - ✓ Structure formation works