

# DarkSide-50 Status



- **Main operation: TMB removal**
- **Neutron Veto** (TMB and PC mixture)
  - Observed a high  $^{14}\text{C}$  rate due to TMB
  - Originally 50% of TMB
  - TMB removal and filling with new PC
  - Distillation plant:
    - Purification of new PC batch. **DONE**
    - Separation of old PC from the TMB:  
Aiming towards 0.1% of TMB  
**Achieved 0.08% DONE**
  - Complete procedure **FINISHED**
- **Modifying veto readout system to accommodate longer capture times**
- **TPC:** Used to monitor TMB removal

