

- ✓ XENONnT utilizes Gd-loaded water Cherenkov detector for the Neutron Veto detector.
- ✓ The Neutron Veto plays a significant role in XENONnT to tag and to estimate neutron background.
- ✓ Neutron tagging efficiency of 77% is achieved with 0.02% Gd concentration.
- ✓ Decrease in light collection due to rust deposited on the ePTFE panels. Reflectivity recovered via wiping during the current upgrade phase.