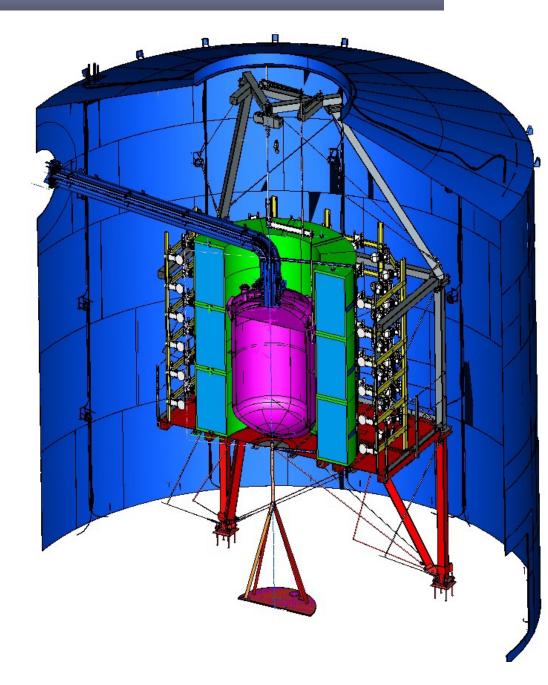
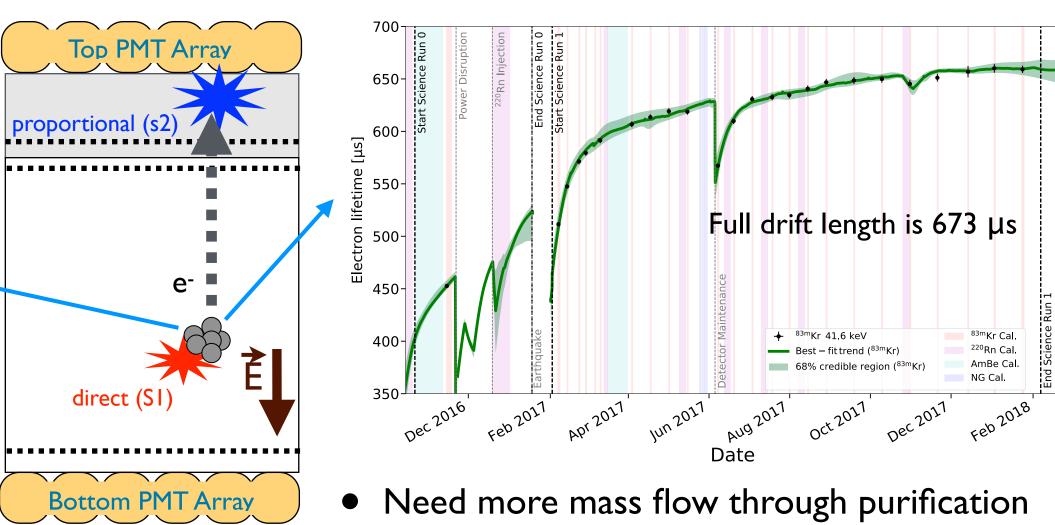
XENONnTTDR

- New XENONnT systems
 - Liquid Xe purification
 - Continuous Radon distillation
 - LS Neutron Veto
 - Expand emergency Xe storage
 - AP is Technical Coordinator
- XENONnT received official approval from LNGS SC and director in March 2018
- Stop XENONIT in Fall '18 and start upgrade



Electron Lifetime

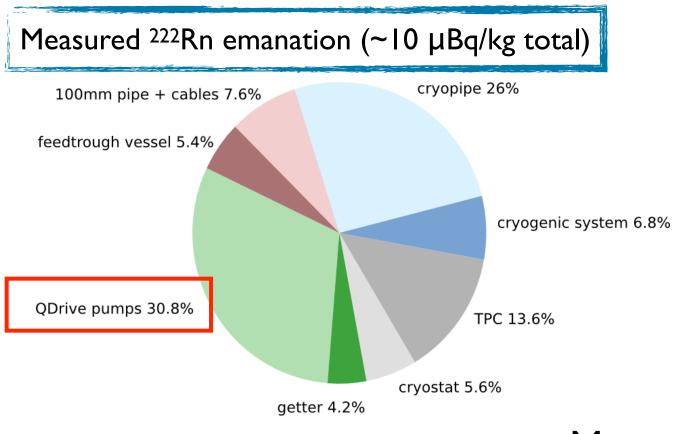
I. Xe continuously purified to remove electronegative impurities



- - Better Gas pumps
 - Liquid Xe purification

²²²Rn emanation

2. ²²²Rn is emanated by all materials, most critical BG for XENONnT: 10x reduction





Magnetically coupled pump to be installed May 2018