

# REPORT ON SOLARIS WORKING GROUP

## Solenoid spectrometer for transfer reactions at ReA

Topics covered:

- status of the ANL-lead SOLARIS project
- recent results & future plans for the AT-TPC
- recent upgrades & results from HELIOS

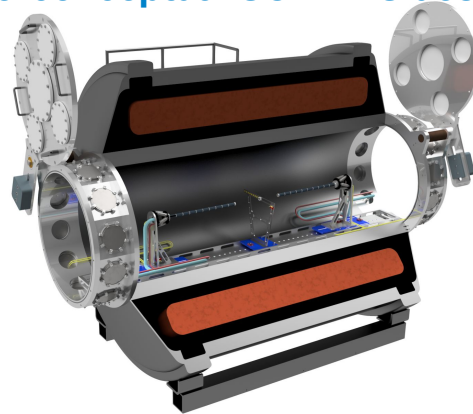
Take-aways:

- strong community support for project
- integral collaboration with AT-TPC group & other ancillary detector groups
- SOLARIS project considering a staged approach
- solenoid magnet is in hand at ANL
- flexibility for magnet interior [various detection systems, AT-TPC, gas-targets, etc.]
- **priority to initiate a science program at the NSCL w/ ReA prior to FRIB [preliminary plan developed]**

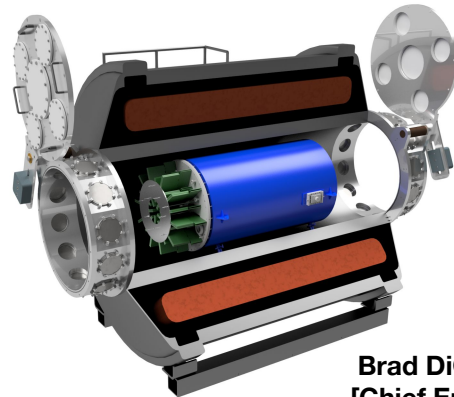
Well attended [~40] & invigorating conversation

[6 organized talks: **Kay**(ANL), **Iwasaki**(NSCL/MSU), **Beceiro Novo**(NSCL/MSU), **Santamaria**(NSCL/MSU), **McNeel**(UConn), **Kuvin**(UConn)]

## Pre-conceptual SOLARIS design



## w/ AT-TPC installation



Brad DiGiovine  
[Chief Engineer]