

π Experimental Readiness Review HDice at UITF

(Nov 19/2019)

Agenda – Draft - expanded

- Goals of the HDice tests at the UITF (charge #2) - A. Sandorfi
 - using 10 MeV to test potential at 10 GeV (HallB RG-H)
 - potential depolarization mechanisms
 - UITF test targets vs Hall-B targets

- Status of the UITF and dependence upon the CTF LHe (charge #1, 7, 9) - M. Poelker
 - UITF goals: CEBAF injector, QCM tests, HDice, ...
 - Status of beam hardware & software controls
 - Status of RadCon assessment, ARR, ASE,... approvals
 - Modes/Staff for providing beam

- Beam transport design through cave-2 (charge #4, 9) - C. Hanretty
 - Cave-2 optics design (from Joe Grames)
 - Beam transport through the IBC solenoids at 10 MeV
 - Transport through post-IBC solenoid and dump
 - Low-current beam monitors and target protection
 - Rogowski coil
 - Halo detector array
 - Beam-limiting apertures

- Status of the HDice In-Beam Cryostat (IBC) (charge #3a) - X. Wei
 - Overview of HDice In-Beam Cryostat, target loading and OPS
 - Dec/18 quench and repair
 - Oct/19 recommissioning tests

- IBC recertification and Dump certification (charge #3b, 3c, 7) - D. Kashy
 - IBC recertification
 - Dump vacuum vessel certification
 - Dump solenoid design, cooling and operation

- Commissioning plans and schedules (charge #5, 7) - A. Sandorfi
 - Cave-2 beam-line, raster and dump commissioning
 - eHD unpolarized srund
 - eHD polarized runs

- Documentation, Procedures and manpower (charge #8, 6) - A. Sandorfi
 - OSPs
 - Cave-2 roof removal (from Matt Poelker)
 - Target loading
 - IBC operations in cave-2
 - COO