C-AD Priorities

RHIC/eRHIC schedule

Thomas Roser RHIC Retreat August 8 – 9, 2017

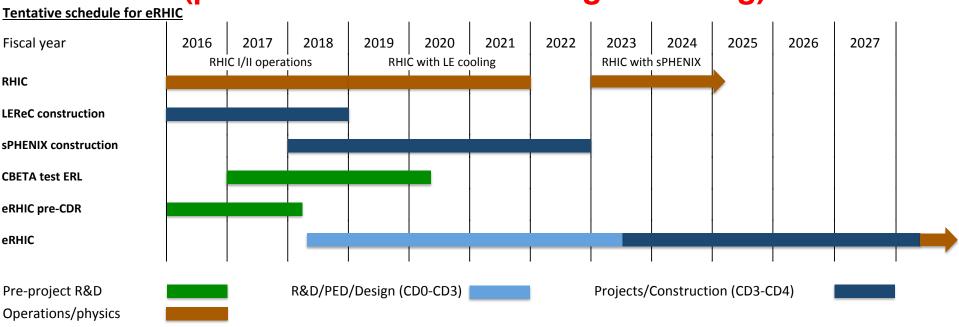


A CENTURY OF SERVICE





Tentative schedule for RHIC and eRHIC (Scenario 2) (presented at DOE NP budget briefing)



- 2017/18: two more RHIC Runs 17 and 18 with eLens and 56 MHz
- Low Energy RHIC electron Cooling (installation/commissioning in 2018) for BES II RHIC running during FY19 to FY21 (must do!)
- sPHENIX construction (final installation during 2022) for RHIC running during FY23 and FY24 (must do!)
- eRHIC pre-CDR (R-R) complete by 2018
- High priority eRHIC R&D items (Pol. e gun, CBETA, CeC) complete by 2020
- eRHIC: mission need (CD-0 in 2018?), alternative selection (CD-1 in 2021?), project baseline (CD-2 in 2022?), construction start (CD-3 in 2023?), installation (2025 – 2027?) and start of operation (CD-4 in 2028?)

sPHENIX Schedule

CD-0 Mission Need Approved	Sep 2016
BNL Director's pre CD-1 Review	Sep 2017
OPA-CD-1/CD-3a Review	Spring 2018
CD-1/CD-3a authorization (?)	Dec 2018
Fabrication (orders) of long lead time components begins	Dec 2018
All Preproduction R&D and Design complete	Spring 2019
OPA- CD-2/CD-3b review	Spring 2019
CD-2/CD-3b authorization (?)	Aug 2019
All fabrication (orders) begin	Aug 2019
sPHENIX installation begins in 1008 Facility	Apr 2021
MIE deliverables complete	Dec 2021
sPHENIX Installed, cabled, ready to commission	Jul 2022
Commissioning complete	Sep 2022
First RHIC beam for sPHENIX	Jan 2023
CD-4 Approval	Jan 2024
The MIE has 25 months of float between completion of deliverables and CD-4	4

The Resource-loaded Schedule contains 6 months of float to Jan 2023 first beam @ RHIC