

The Schedule

Alexey Bragin
Budker Institute of Nuclear Physics,
Novosibirsk, Russia

April 2018

Schedule of the work, April 2018

1. Conceptual Design review, April 2018

items to be approved:

- magnetic field calculations;
- iron yoke design;
- general conception of the coil design
the support struts as separate elements of the coil to be approved in FDR stage after manufacturing and testing a dummy samples of several designs;
- cooling conception of single cryostat based on thermosyphon method;
- system of powering and energy extraction;

2. Preliminary Design Review, October 2018

- cryostat design including cold valves;
- current leads design based on HTS incertions;
- design of the support struts;
- control system

Schedule of the work, April 2018, continued

3. Final Design Review, January-February 2019

- support struts tested;
- all drawings will be finished;
- manufacturing process presented;
- quality assurance procedures to be presented;

4. Manufacturing stages

- SC cable manufactured November 2018 – March 2019;
- iron yoke (8 months after the contract signed)
- technologies of coils impregnation tested
- tools manufactured
- coils manufactured
- cryostat manufactured

5. Factory acceptance tests in BINP, October 2019 – January 2020
the cryostat will be modified to use LN2 instead of 50 K GHe and a cryocooler will be used for the current leads cooling.

6. Assembling December 2021 – March 2022 (1st scenario)

7. Cryogenics test in GSI during April – December, 2023

