

FCCee injector meeting:

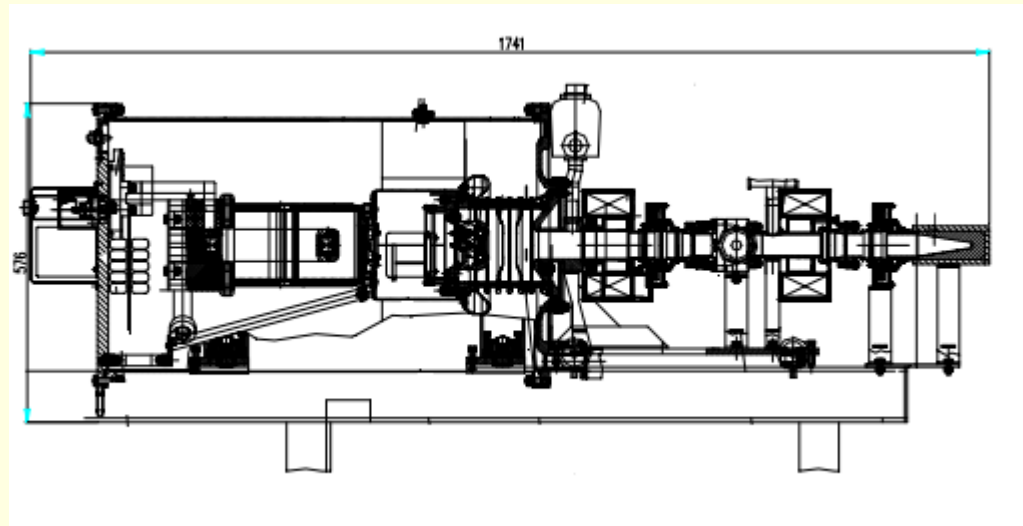
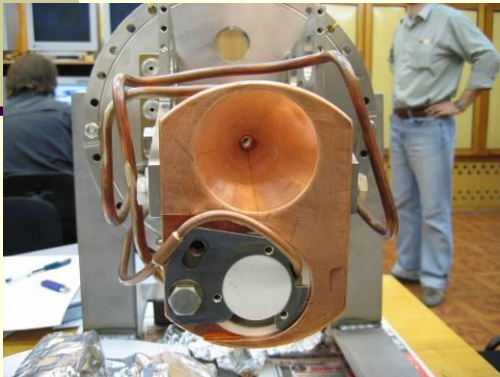
experience and potential contribution
of Budker Institute of Nuclear Physics

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Electron and positron sources

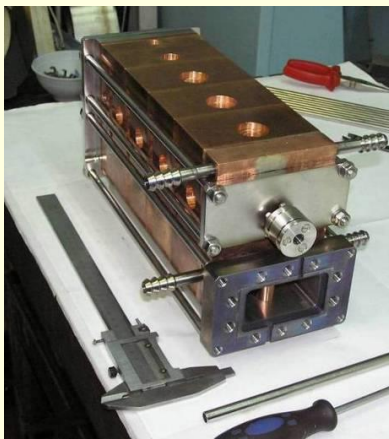
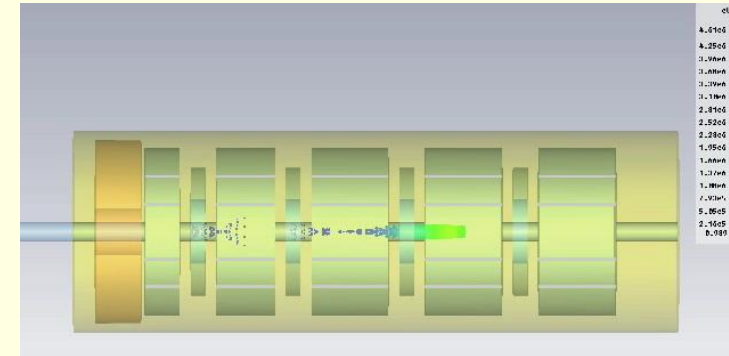
Developing, producing, matching and testing:

- high voltages electron sources
- electron sources with polarized beam
- positron conversion systems
- positron concentrating systems



Linear accelerators

1. Beam dynamics calculation
2. Electromagnetic field simulation
3. Developing, producing, matching and testing:
 - disk-loaded traveling wave structures
 - standing wave structures
 - beam diagnostic systems
 - beam compression system
 - power compression system



Synchrotrons

1. Beam dynamics calculation (inj/extr)
2. Magnetic field simulation
3. Developing, producing and testing:
 - magnetic elements
 - beam diagnostic systems
 - focusing system
 - RF systems
4. RF gymnastics
5. Spin gymnastics



Accelerator systems

BINP traditional:

Magnets (including pulsed kickers, septums, etc.)

Vacuum systems

Conventional RF

Diagnostics

Etc

Team

Totally we can recruit about 10 specialists depending on tasks and demands



Thank you for attention