Tue-Mo-Po2.08-02 [55]

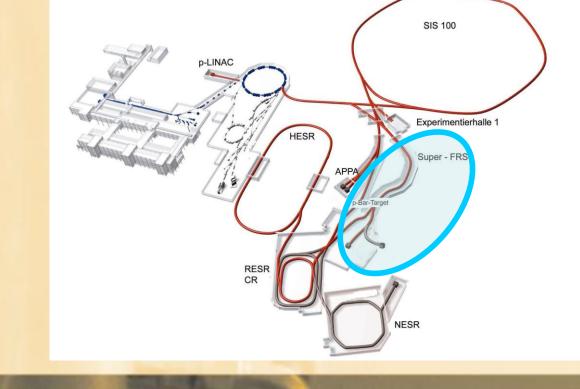
## Radiation resistant magnets for the Super-FRS of the FAIR project

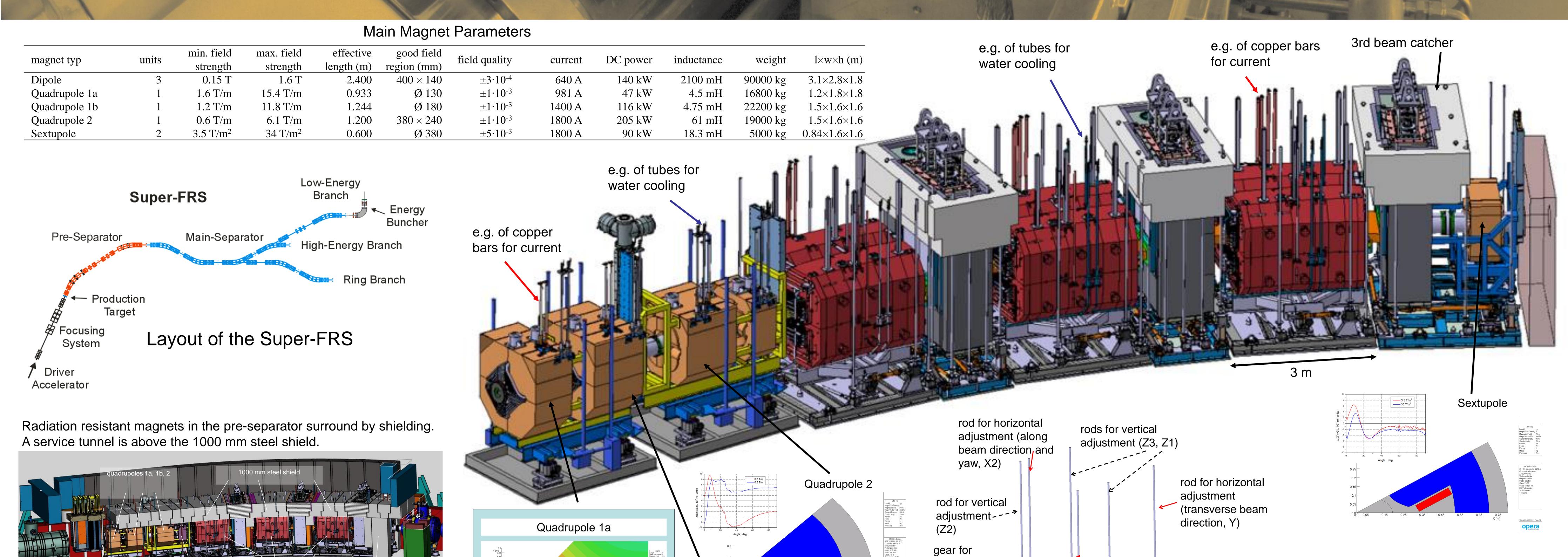
Hanno Leibrocka, Carsten Muehlea, Peter Rottländera, Alexander Kalimovb

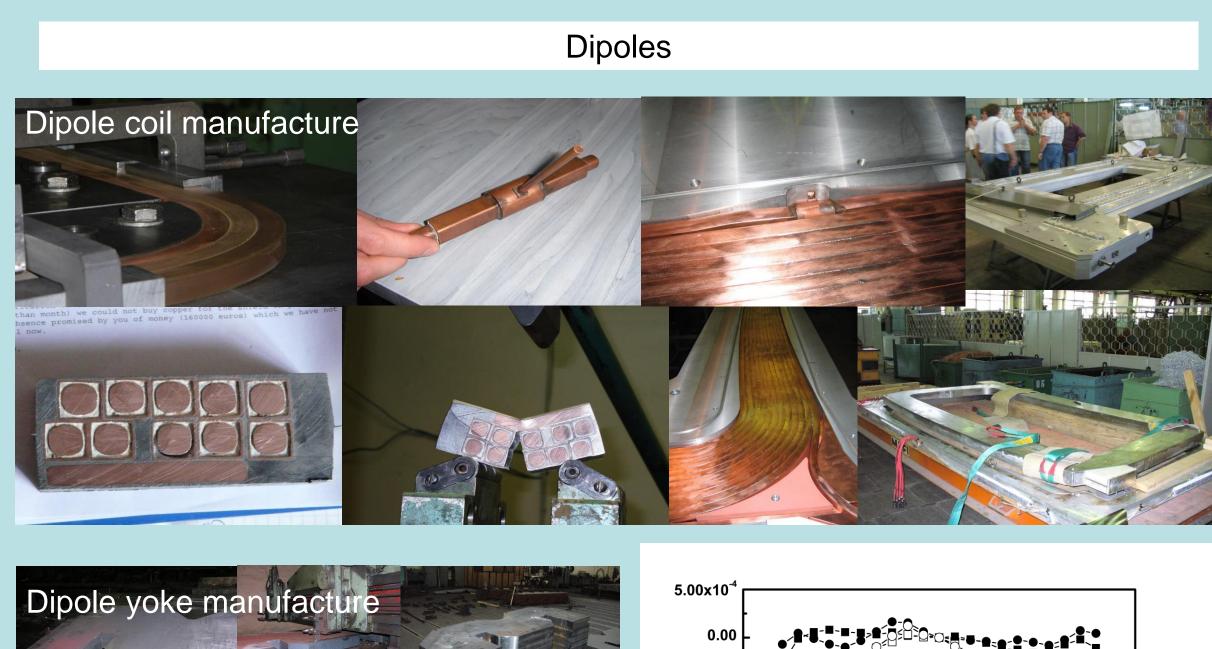
a GSI Helmholtzzentrum für Schwerionenforschung, Planckstr. 1, 64291 Darmstadt, Germany, b Peter the Great St. Petersburg Polytechnic University, 195251, St. Petersburg, Russia

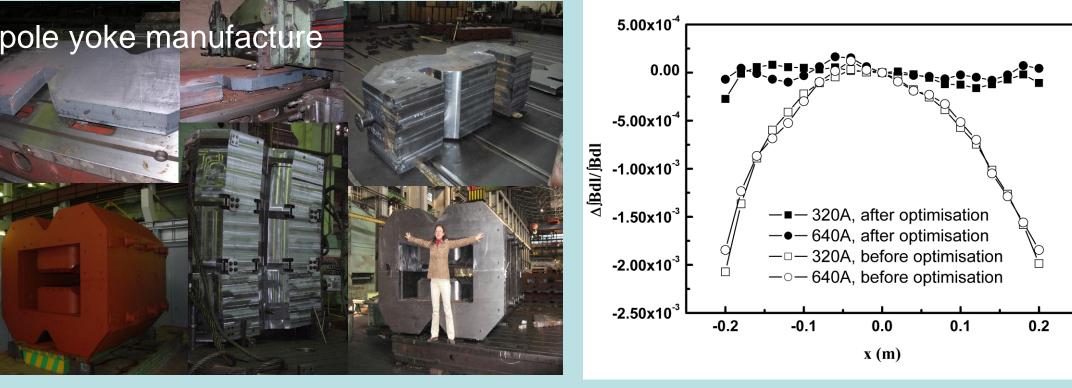


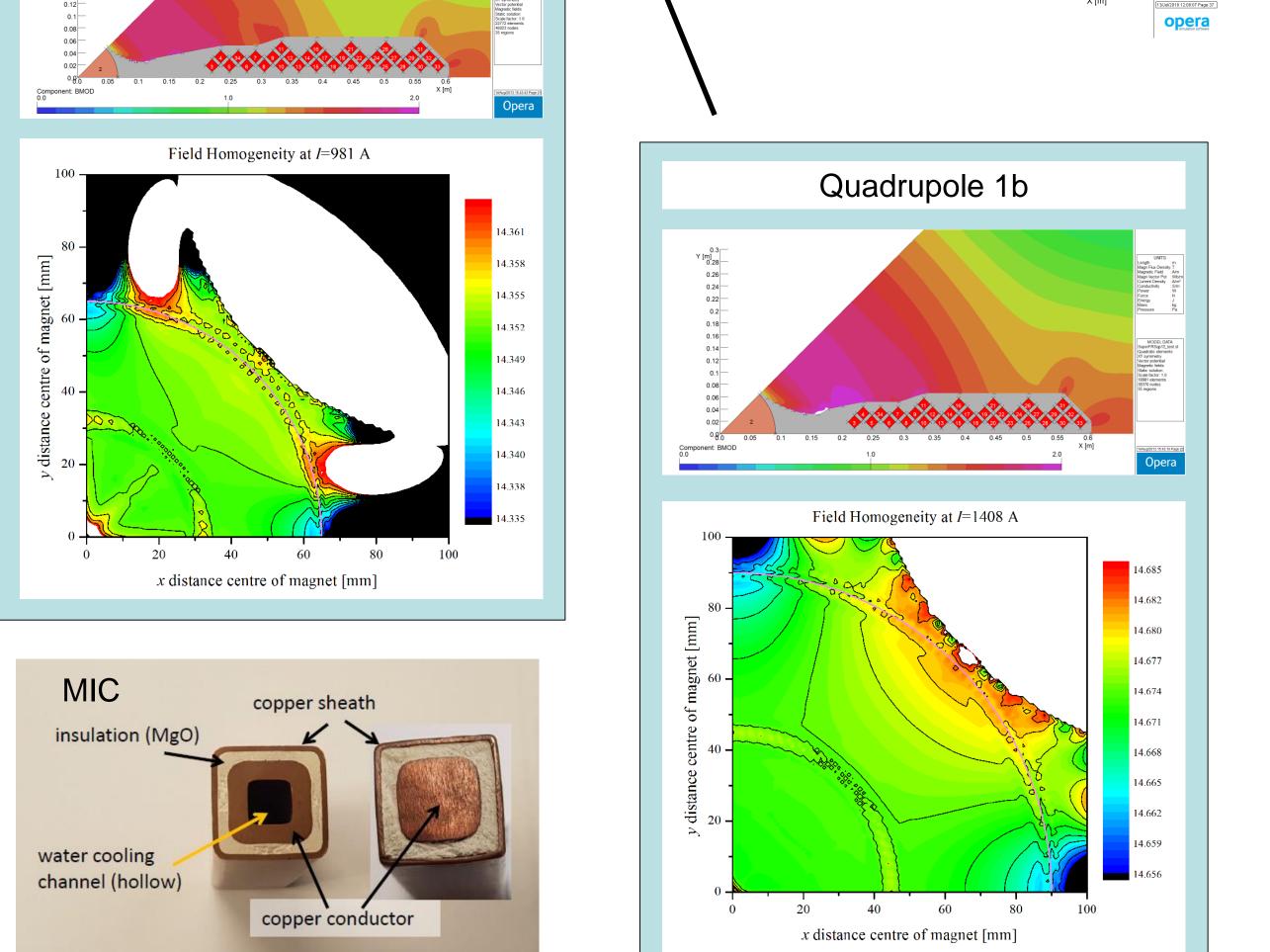
adjustment

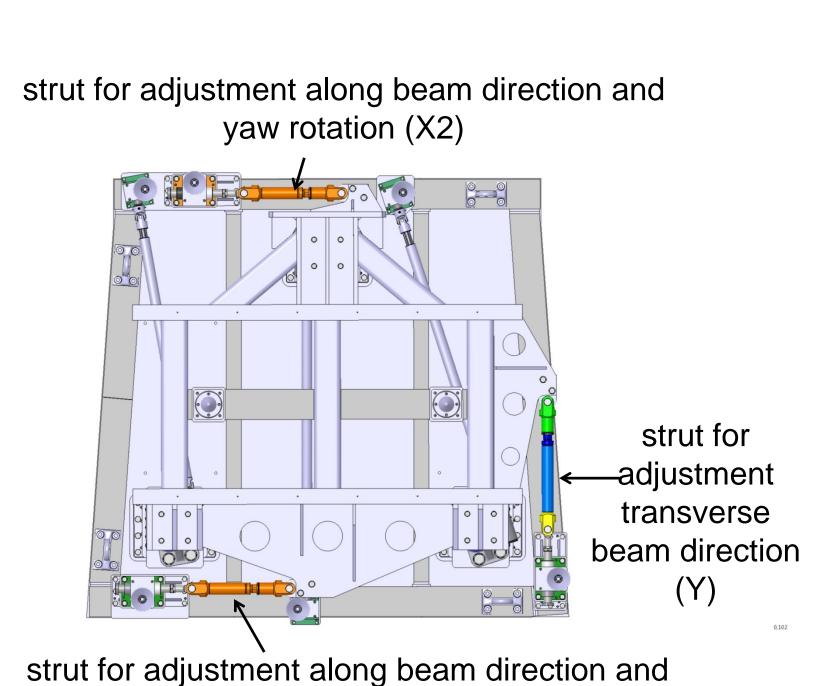












yaw rotation (X1)

horizontal

adjustment

gear

yaw, X1)

rod for horizontal

adjustment (along

beam direction and

configurations are required.

- One dipole already exists. Two further dipoles are ordered
- New adjustable support frame for the dipoles. Horizontal adjustment is based on a 3-strut system. Successful test => same type of support frame for all other magnets and beam catchers
- Connections for water cooling and electrical current have been successfully tested one month at full power.
- All three quadrupoles have a different design. Special coil



