

## The summer 2003 run (16 shifts, ~ 5 hours each)

### What has been done

- the entire beam line was assembled and baked
- 0.3 mA, 3.5 MeV DC beam was recirculated
- a file with all parameters (except cooling section's) was composed and saved
- all BPMs were tested (1 broken connector; questions about alignment in the cooling section)
- all WSs worked
- multiwire harp was tested, but we did not get any reliable signal
- all PSs worked, but BRUKERs and KEPCOs with many troubles
- first sequencers were composed and used

### What has not been done

- problems with BRUKERs and KEPCOs were resolved without clear understanding what has been wrong
- the fast protection circuitry was not tested
- quadrupoles were not commissioned
- optics measurements were not done