

- Excellent progress by the Karlsruhe team with the open CO<sub>2</sub> system: cooling scheme works!
- Next step: repeat tests (with more sophistication) at the CERN closed CO<sub>2</sub> system (beginning of April 2011)
- Open question:  
How to build a closed system within the DEPFET Coll. ?
- H. Postema et al: present installations at CERN available for tests only,
- For timely construction of new plant additional manpower needed.
- Meeting on March 9 at CERN with reps from Karlsruhe, MPI, Vienna to discuss in detail the scenario towards a PXD/SVD closed CO<sub>2</sub> cooling plant.



# CERN Meeting on March 9



present:

CERN/NIKHEF: H. Postema, B. Verlaat, P. Petagna

Vienna: M. Friedl, I. Gfall

Karlsruhe: T. Müller, H.-J. Simonis

MPI: C. K.

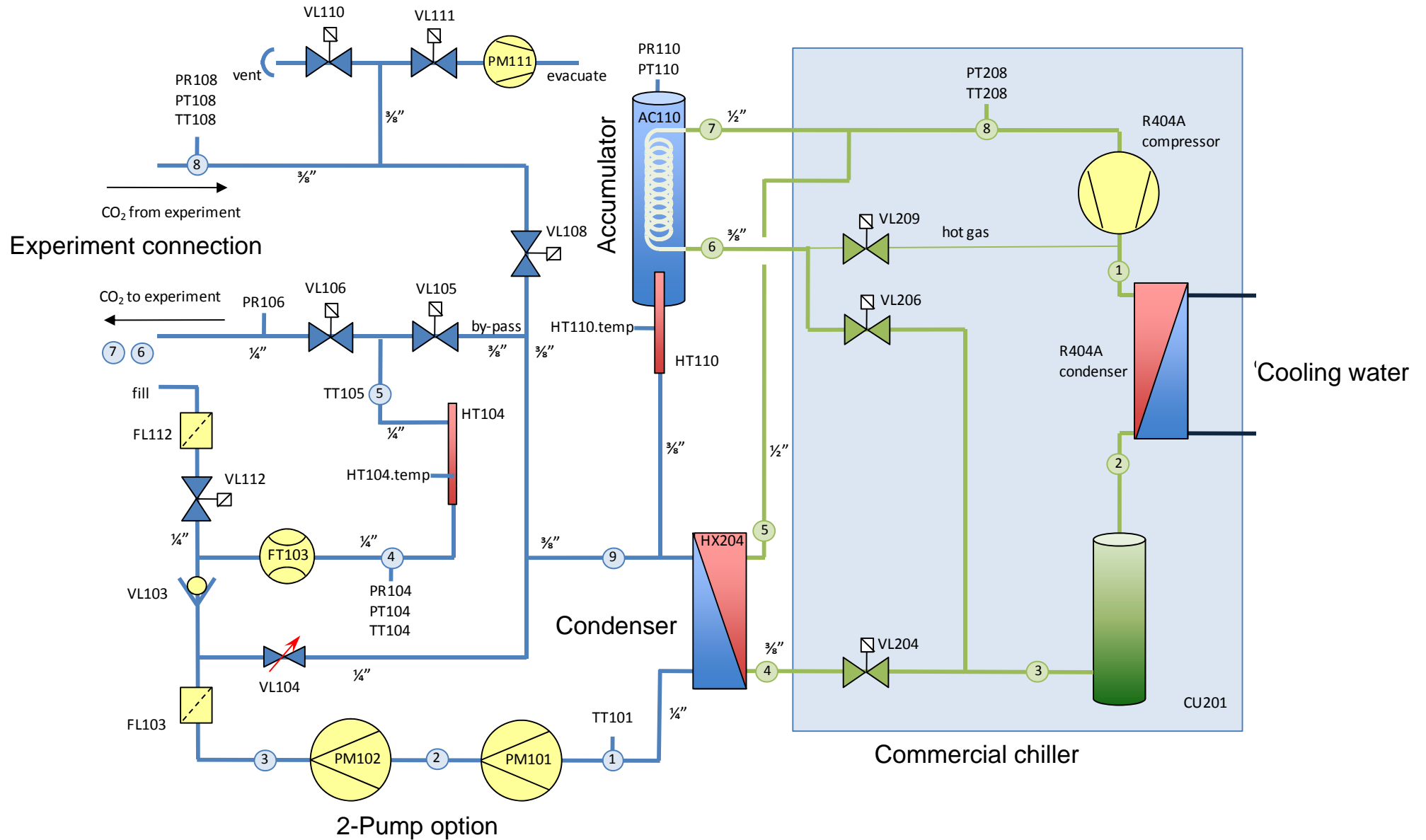
Program:

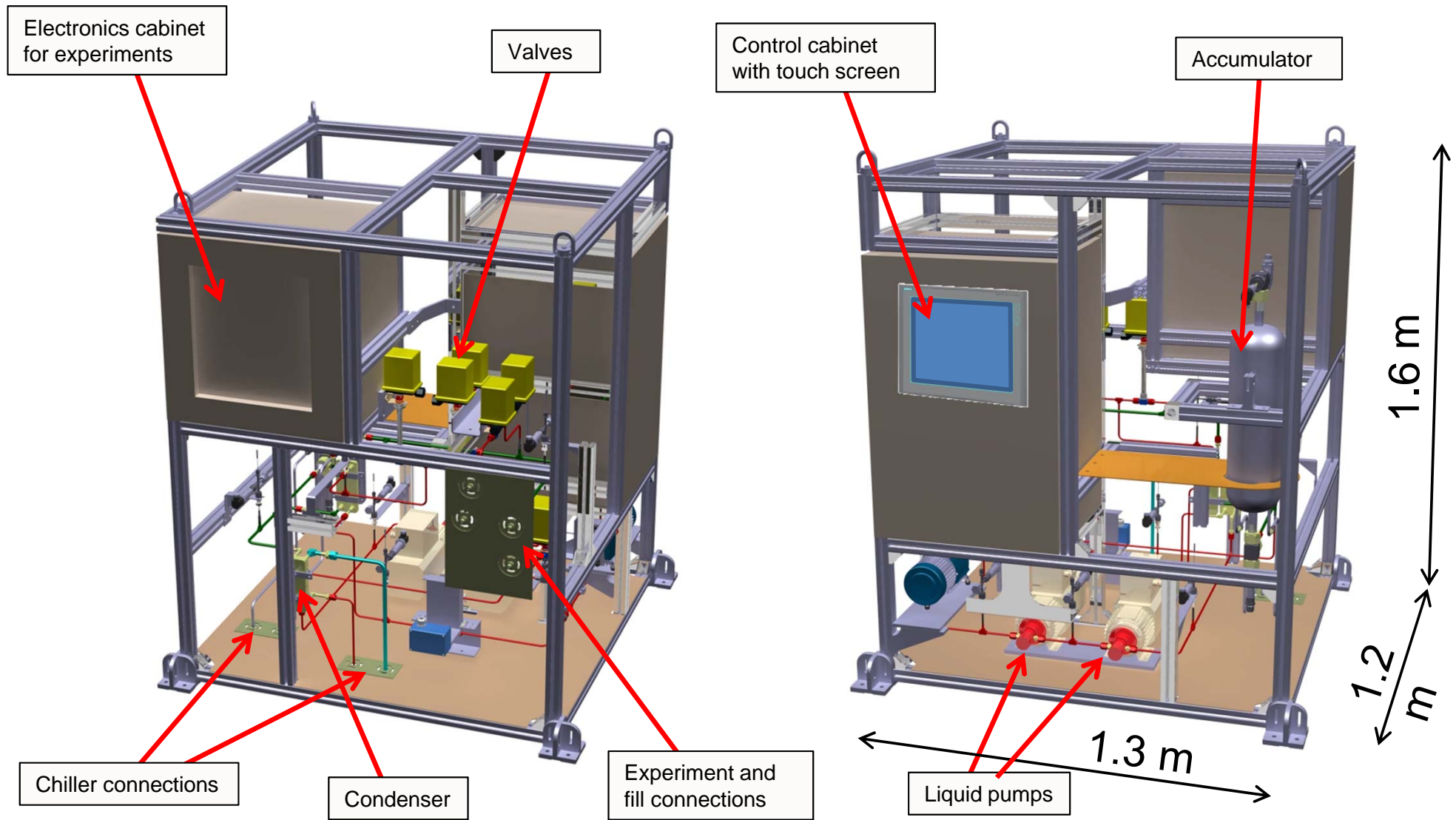
Discussion on requirements for building a CO<sub>2</sub> unit for the  
Si systems of Belle II (PXD, SVD)

Visit of the CERN cryolab (test systems)

Key statements resulting from the discussion:

- One CO<sub>2</sub> system (~ 1-2 kW) can serve both the PXD and SVD
- Given sufficient manpower, such a system could be built within roughly one year
- The CERN/NIKHEF crew does not have enough manpower to build a system for us
- Postema requests one (practically oriented) person to stay at CERN for one year to organize and supervise the construction by members of the CERN workshop
- The CERN/NIKHEF crew would assist with constant advice and help, if necessary





- We need a system within roughly a year to start long-term tests and build up experience with the operation of a closed CO<sub>2</sub> system
- We need to address very early the safety requirements at KEK
- We do not see a single person who would fulfill the requirements by H. Postema
- We do not (yet) have a volunteer to host the CO<sub>2</sub> cooling system within our collaboration

What to do ?