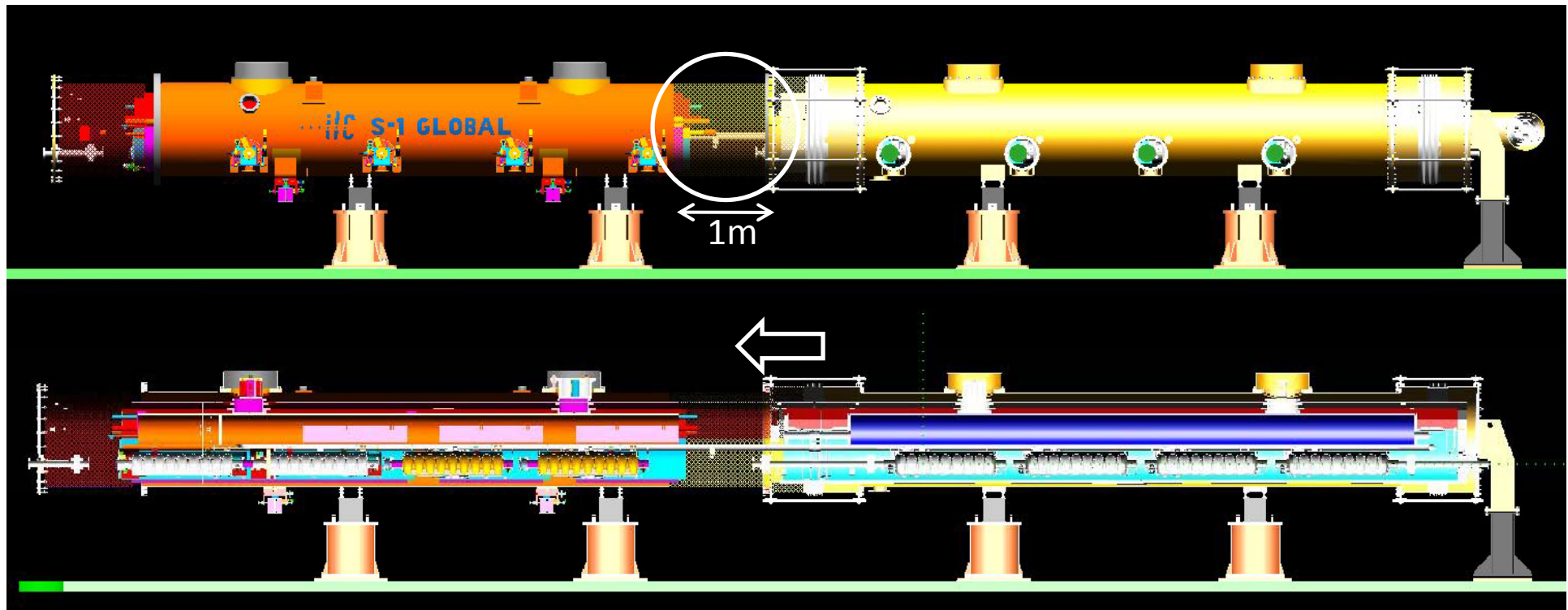


# Progress of S1-global cryomodule design

Norihito Ohuchi



KEK is making the design work with the cryomodule CAD by Don Mitchell.

- The conditions of the cryomodule design;
  1. 8 input couplers locate in the same side of the cryomodules.
  2. Connections between two cryomodules are done by welding reduced pipes in the area of vacuum bellows. The welding work and the required components will be done by KEK.
  3. At the opposite end of the S1-global cryomodule, cooling pipes are connected in the same way as the STF cryomodule.
- In order to keep the space for sliding the vacuum bellows, the vacuum vessel is lengthened 1 m w.r.t. the original design.
- KEK will proceed the design work of this cryomodule, and will discuss the design with INFN group during EPAC.