

Asian Plan for ILC

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- Greetings:
Intention of joining TESLA Tech. Collab.
- Our Basic Strategy
- Plan for the Next Few Years

Impact of ITRP/ICFA Decision

- Enthusiasm on linear colliders continues
- Understand the necessity of international collaboration
 - Remember why we had to choose one technology
 - One region alone cannot afford ILC
- Quick reform required

Should we concentrate on non-linac components only? No —

- We have longstanding expertise on SC.
 - KEK has been very active in SCRF application to accelerators since 1980's
 - ★ TRISTAN
 - ★ KEKB
 - ★ (JPARC)
 - Contribution to high gradient cavity technology
 - ★ Application of Electro-polishing to accelerators

Should contribute to SC parts too.

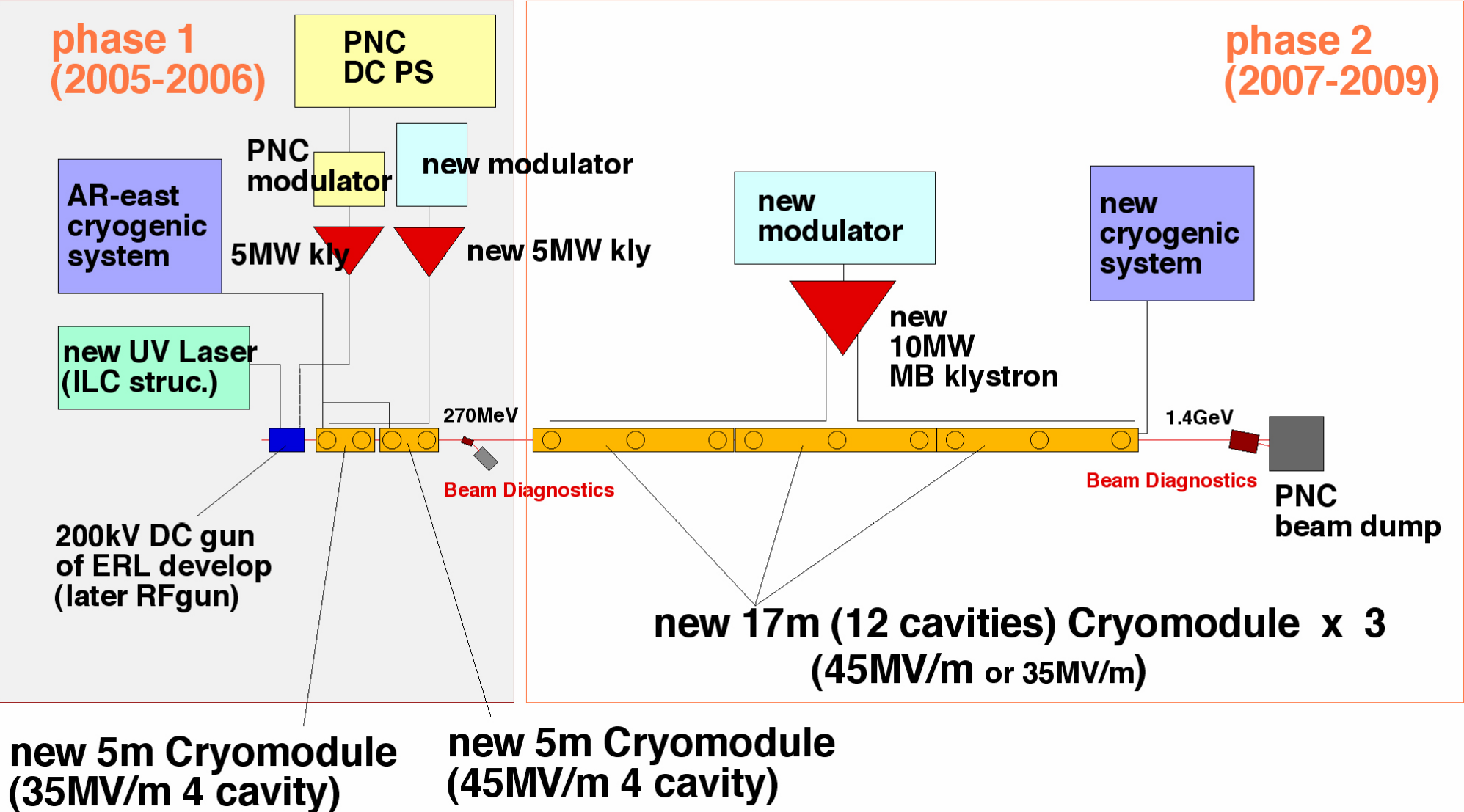
- Reinforce activity on SC for other applications too. (FEL, ERL, etc)
- Impact to Japanese government, no matter we host ILC or not

Our Plan for ILC

- ATF
 - Improvements of ATF
 - Extension of ATF — ATF2
 - ★ International collaboration on-going
- STF (\Rightarrow Hayano's talk)
 - Establish linac system technology for baseline gradient
 - Pursuit higher gradient

Though we believe we have high technology of cavity fabrication, we admit we are behind in L-band linac system technology as a whole

Plan of Superconducting RF Test Facility (STF)



By Joining TESLA Technology Collaboration:

- We would like to learn from TESLA technology
 - Many components are common
- We believe we can contribute to the technology progress
- Will be useful for SC application for other than ILC
 - STF will be used as a general SC technology base after its role for ILC

Finally, KEK would like to Join TESLA Technology Collaboration

- Updated MoU nearly ready
- KEK DG is ready to sign-up
- Obtained agreement of KEK Administration Head
- Still need bureaucratic procedure in upper level of the government

Wait for the agreement of the Collaboration Board