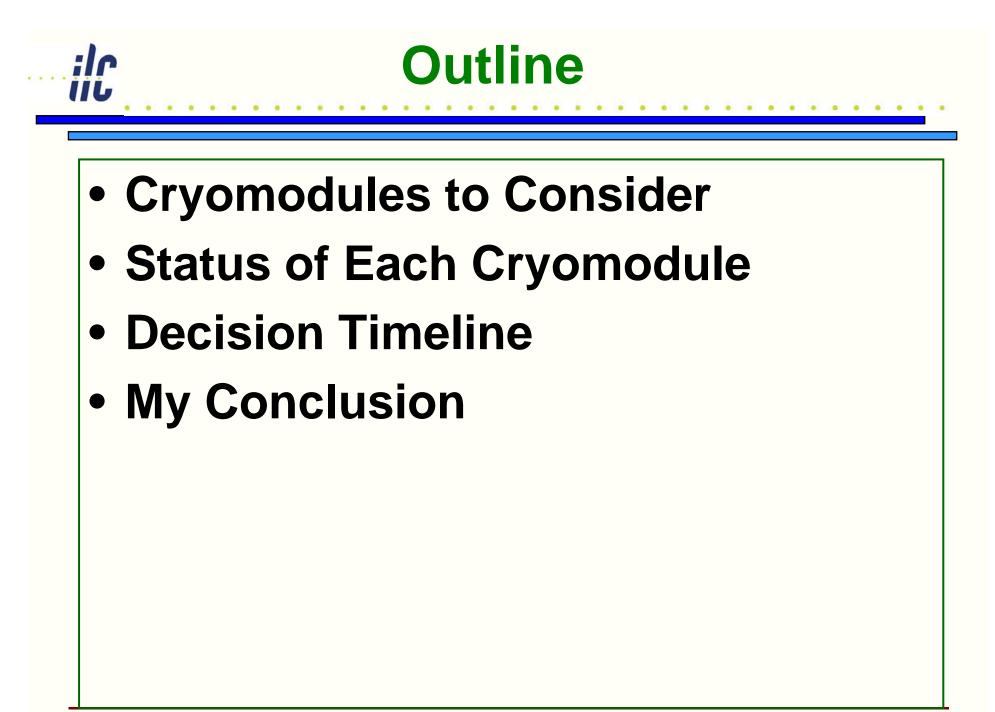
EDR Cryomodules: Down-Select Plan

H. Carter





A Good Reference

At the EDR ML CM & Cryogenic KOF, H. Hayano gave a nice talk titled:

"Basic Strategy of Designing Cryomodule"

"Consideration of plug-compatible design for cryomodule and cavity unit"

This talk can be found at:

http://ilcagenda.linearcollider.org/conferenceDisplay.py? confld=1854

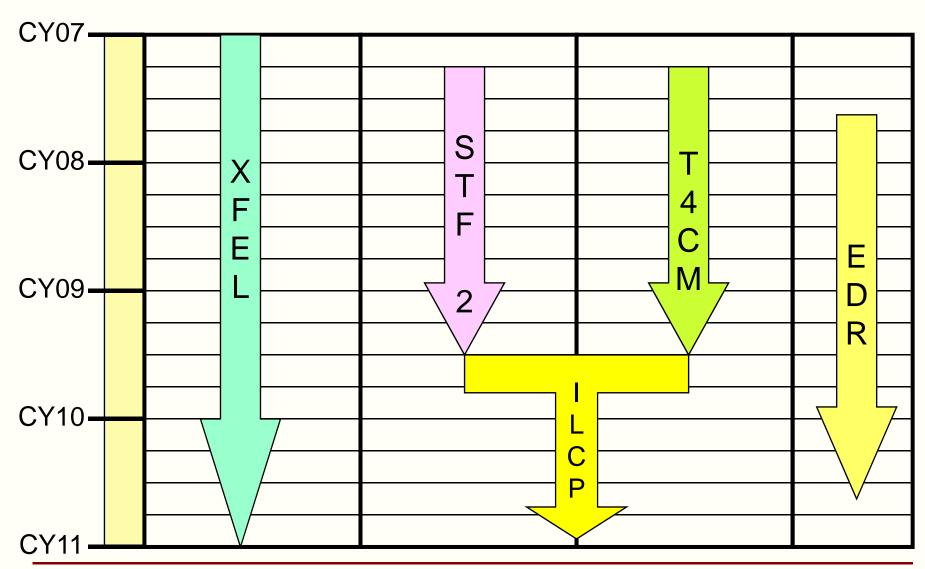
- BCD Cryomodule: TTF Type 3+
- XFEL Cryomodule: TTF Type 3+
- RDR Cryomodule: Type IV cryomodule
- EDR Cryomodule: Type IV? STF-2? XFEL?
- ILC Prototype Cryomodule: Type V?

Note: No radical departure from the basic TTF Type 3 CM is under serious consideration at this time.

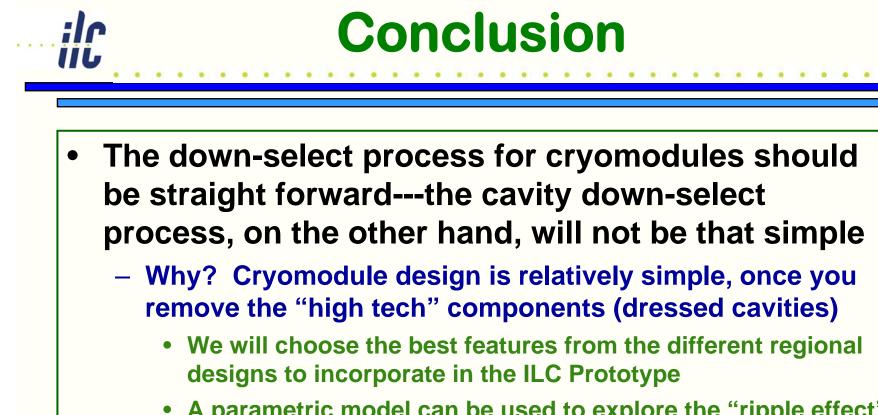
Status of Cryomodules Under Consideration

- Type 3+ CM:
 - Selected design for the XFEL
 - Based on mature TTF Type 3 CM design
 - Three Type 3 CMs have been built and operated at TTF
 - None has been constructed and operated at DESY yet; first one for TTF/Flash will be CM8 (CM6 was close to a Type 3+)
 - FNAL CM1 will be first Type 3+ completed
- Type IV CM:
 - Based on TTF Type 3+ design
 - Design is ongoing---80% complete
 - 1st T4CM to be completed at FNAL in FY09
- STF-2:
 - Design incorporates many TTF Type 3+ design features





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- A parametric model can be used to explore the "ripple effect" associated with the incorporation of these "best features". The T4CM is such a model.
- As industrial construction experience develops in the three regions, the designs will incorporate
 - Value engineering
 - Design for manufacture
 - Cost reduction