

# Plans and schedule for ATF2

## Final Doublet stable support

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on behalf of LAPP

3<sup>rd</sup> ATF2 project meeting  
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# Immediate tasks at LAPP

- 4 FFTB Movers on their way to Annecy (arrival after Christmas)
- Spring 2007: learn to use the movers and do vibration measurements with equivalent masses
- When Cherrill Spencer has the FFTB magnets modified, they will probably make a stop at Annecy for realistic vibration measurements on their way to KEK (before summer break)

In case CLIC table is used...

- See on real movers if 8cm support modification OK
- Send CLIC CERN table a little before arrival of QD0 (and other final focus section) magnets (end of 2007, beginning 2008)

# But...

- CLIC table found not optimally suited to ATF2 requirements
- CLIC table belongs to CERN group and is on loan at LAPP in context of LAPP-CERN collaboration on CLIC R&D
- Though CERN first proposed and still agrees to send table as in-kind contribution to ATF2, it must be defensible on purely technical grounds (**CERN wants to know this...**)
- Developing a dedicated solution more genuinely matched to ATF2 more appealing for a group specialising in stabilisation
- IN2P3 ANR grant provides enough funding for that and the LAPP team is interested and has the competence needed

# Tentative plan and schedule

=> work on alternative support :

- Rigid mount or rigid mount with polymer sheet
- Eigenmode simulations or dynamic simulations if measurements done on support

=> work with Sugahara san and Kume san

A. Jérémie

**Winter 2007:** Use FFTB movers – Vibration measurements at LAPP on CLIC table honeycomb block without active feet with equivalent weights and then with real FD quads – Investigate new honeycomb block with matched size & rigid mount support

**Spring 2007:** Upon final decision, buy / build new table & support

**Summer & Fall 2007:** Real system testing at LAPP

**Winter 2008:** Transport to KEK → full system integration & tests

**In future:** Potential and need for active control on top of the table