

## Latest news on movers

Movers have arrived from SLAC in January

Unpacking has proceeded: OK!

Assembling of mover electronics and cabling ongoing (big thanks to Cherrill Spencer and Doug McCormick but trouble finding working CAMAC crate, CAMAC controller and interface...at Annecy)

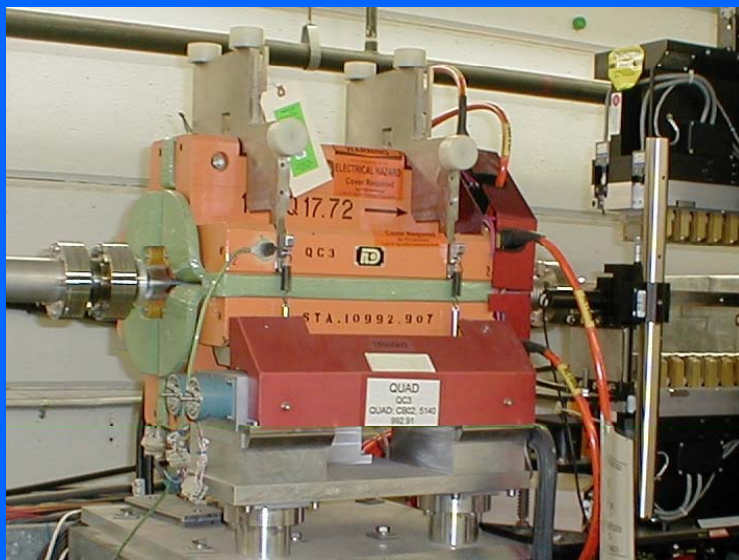
Mechanical work will continue when mechanical engineer back from specialized mechanical simulation course (adapt mover to what it will support and fix on table...)





## Three possibilities with vibration measurements on FFTB movers (in preferred order):

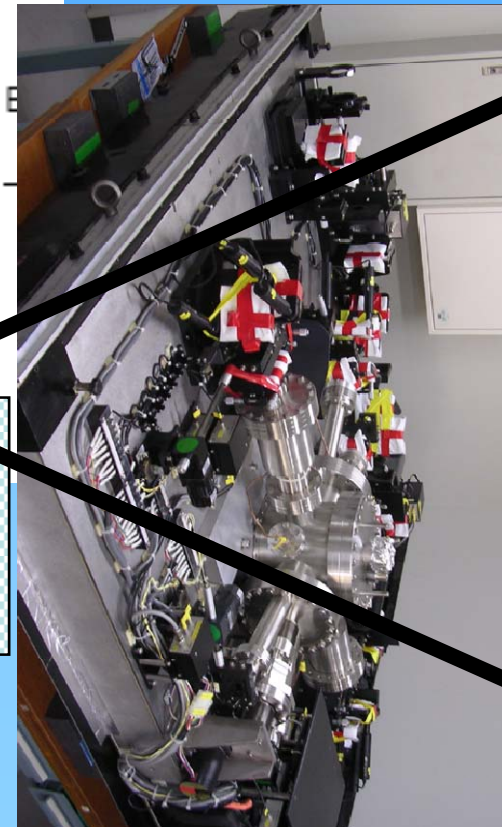
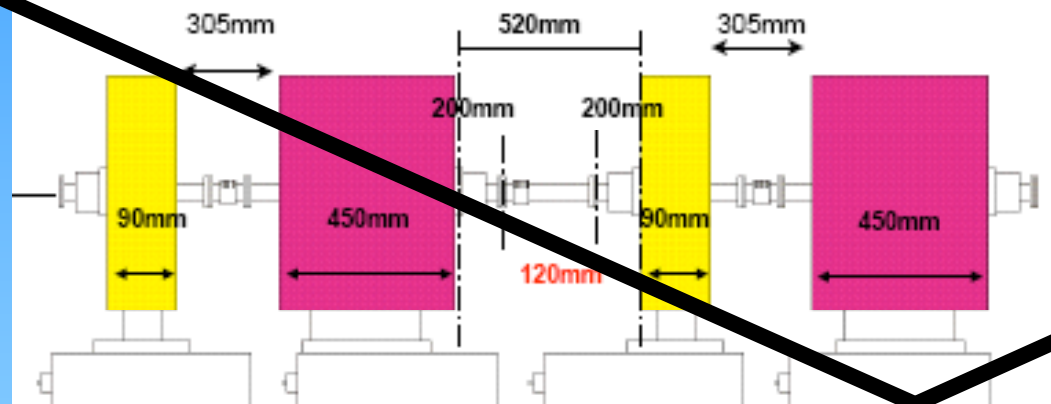
1. Measure with real QC3 magnet (all internal and external components included)  
*seems difficult at this point in time.*
2. Measure with object of same weight that could have similar vibrational properties (?)  
*already under study (working on best mass configuration with respect to our vibration measurements, how to put it on the mover geometry, (and post-measurement recycling).*
3. Measure with similar magnets but not the same weight  
*not being pursued at the moment*



Vibrations more complex in magnet than in concrete or metal block!



Measure vibrations with mock weight in next month(s)  
Measure vibrations with real QC3 magnet (?)  
Further study longer TMC support for FD magnets (stability, max weight...): now!  
Study if BSM can sit on same support? Easier and more balanced weight distribution on TMC honeycomb block if separate supports but same vibrational behavior (good or bad) if all on one support:



BSM  
1,5x1,6m  
740kg