



TBL update



- **Status of the series production**
- **Experimental program and plans for completion**



Status of series production



- 4 tanks installed, producing 5 more now
(September 2011)
2 by CIEMAT, 3 by CERN
- Pacing item are the couplers now
- 4 additional tanks ordered (assembly end 2011)
- Study modifications for powering structures for the last 4 tanks



Plans for completion and feasibility demonstration



- Demonstration with 8 in autumn 2011,
>30% deceleration
- TBL with 12 PETS in 2012
- Perform full experimental program afterwards
- Develop modified tanks optimized for structure
conditioning



Experimental program



- ❑ Measure power production and energy loss in the beam for 4 PETS
(transverse phase space, time resolved longitudinal phase space, energy balance and consistency)
- ❑ Beam steering, transport and BPM resolution
- ❑ Try to reach >20 A; > 100 MW per PETS
- ❑ Test new rf components
- ❑ Test extended operation panel
- ❑ Redo power vs position measurements
- ❑ Measure power production stability



Conclusion



- Ready to receive beam for experiments with 4 PETS
- Following plan to complete the TBL line

Thanks to every body involved for the good work !