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## RF Preparation for Beam in 2009

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Modifications to the ACS cavity tuning systems should be completed early in 2009. First tests on the power and low level RF systems will be done with waveguide shorts, as the cavities will be warm and the RUX45 tunnel roof blocks will still be open to allow transport of quadrupoles into sector 3-4. Any co-activity with magnet transport will need to be avoided till the installation of sector 3-4 is completed. Well before beam, the cavities will need to be cooled down and tuning and calibration checked. A period of cavity conditioning will certainly also be required. After cavity conditioning there will be a final check on the cavity tuning and RF feedback systems. These activities all require availability of 4.5 K cryogenics, in sectors 3-4 and 4-5. The beam control systems in UX45 will also be checked as far as possible before beam, together with remote controls and signal monitoring systems. A description of this work, the times needed for the various activities and a planning will be presented. Work on the ADT systems will be carried out in parallel.

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