Minutes of RESULTS, PITZ Physics Seminar, 07.12.2012

Project: PITZ
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Agenda:

1) D. Kalantaryan, Booster steering procedure
2) I. Isaev, Unwanted beam workshop talk
3) Run coordination

Results:

1) The booster steering procedure:
   blind search algorithm for MATLAB is ready.
   Optimization of the search time is under investigation.
   Next steps:
2) Run coordination
   PM ILs at certain power levels
   extending RF pulse length with max RF power in the cavity.
   Definition of "real" trip, conditions for SMAC
3) Igor's report
   Multipactor investigations for the PITZ gun cavity
   Dark current at PITZ

4)

Next steps:

What is to be done?	By whom?	Until when?	Done on
First try out for BSP	DK, MO	Beg of Jan 2013 (once we have the beam)	
How to reduce Multipacting? Geometry, Materials? Where does the first particle come from to initiate a low power in the gun Multipactor?	II	Good for the thesis	

Protocol prepared by
YeI, 07.12.2012