Ideas for GDR Intensity Frontier in 2017

1. Mini-workshop on charmless B-decays (Suggested by Eli Ben-Haim, about 10 persons)
2. Workshop on future experiments in intensity frontier (Stephane Monteil, Francesco Polci)
3. LHCb upgrade 2030 (phase 2) (Renaud Le Gac)
4. Workshop on SHIP (Jacques Chauveau)
5. Workshop on leptons in common with the neutrino GDR (Stephanie Roccia)
6. Workshop on semileptonics decays (Guy Wormser)
7. Short review/prospective on LFUV as a transverse theme for B, D, K mesons (organisers required):
   - Up to which extent has it been tested? Which are the processes where it has been checked only with a limited accuracy, where experiments could perform better tests? Where do theoretical BSM models suggest potential large deviations?
   - Impact of LFUV on neutrino LBL: eg, DOI 10.1140/epjc/s10052-017-4600-8 ==> link with GDR neutrino!
8.
   - Three-body Dalitz analyses, where a huge accuracy will be reached and where one should go beyond Breit-Wigners. It could be organised in connection with a recent theoretical initiative "PHASE – Panel on Hadronic Amplitudes" - https://www.authorea.com/users/42472/articles/136761-phase-panel-on-hadronic-amplitudes/_show_article
   - Dispersion relation Both for Dalitz analysis or as pointed out by Khodjamirian about the LHCb B -> K mu mu analysis in Kostas'talk, dispersion relation constraints are needed.
   - But how are they implemented in the experimentalists' likelihood fit on the data ?
   - Beyond that, several efforts are done about "better amplitudes analysis" in Dalitz plot (see, eg ATHOS-4/ PW9 conferences - https://indico.cern.ch/event/591374/)
   - K-Matrix is better than "sum of BW" but still has problem of violation of constraints from analyticity.
   - What about Adler zeros, emphasized by D.V Bugg in a0(980) for example - PRD 78, 074023 (2008). When are they needed?

9. A joint workshop with neutrinos to get an overview of the status of CKM vs PMNS, and the potential consequences for semileptonic processes involving both quarks and leptons.
10. Impact of top-physics on flavor physics: Vtd, Vts, Vtb, ... Precision expected from single top on Vtb, prospective on Vtd, Vts ... (F. Deliot@IRFU Saclay is expert on top physics ... He wrote several review articles : Rev. Mod. Phys, Ann. Rev. Part. Nucl. Phys., ...) (CONNECTIONS TO TERASCALE?)
11. Lectures (web? Two days? Others solutions?)