



# Goals

Observer Town Hall  
Cambridge 16 March 2018

David Shoemaker  
For the LIGO and Virgo Scientific Collaborations



# Context

- The remarkable, and trying, experience of GW170817
- Some headaches, grey hair, new acquaintances and friendships,  
    » and 470 papers later...
- Wish to plan to get the most out of O3 and find a path to the long-term future of joint science with GW/EM/Neutrino observations

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1. Article: Optical observations of LIGO source **GW 170817** by

By Hu, Lei; Wu, Yuefeng; Andreoni, Igor; B. Ashley, Michael C.; Cooke, Jef



# Goals for this meeting

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- Communicate the plans by the Virgo and LIGO Scientific Collaborations (LVC) for
  - » Observing – information on the instruments, likely dates for the O3 Observing run
  - » Sharing Open Public Alerts (OPAs) for O3
- Give LVC best estimates for detectable GW event rates, uncertainties
- Hear about plans and proposals from some EM Observer groups – provide a forum for EM observers to collaborate and communicate on GW-related research
- Have a discussion on science-driven GW-EM Collaboration for O3
  - » LVC will do a lot of asking questions, listening, and taking notes
  - » Want to leave with ideas to take back to LVC full Collaborations
- Encourage an on-going conversation with Observers
  - » Contact any of us at any time
- Let's be ready for O3!