

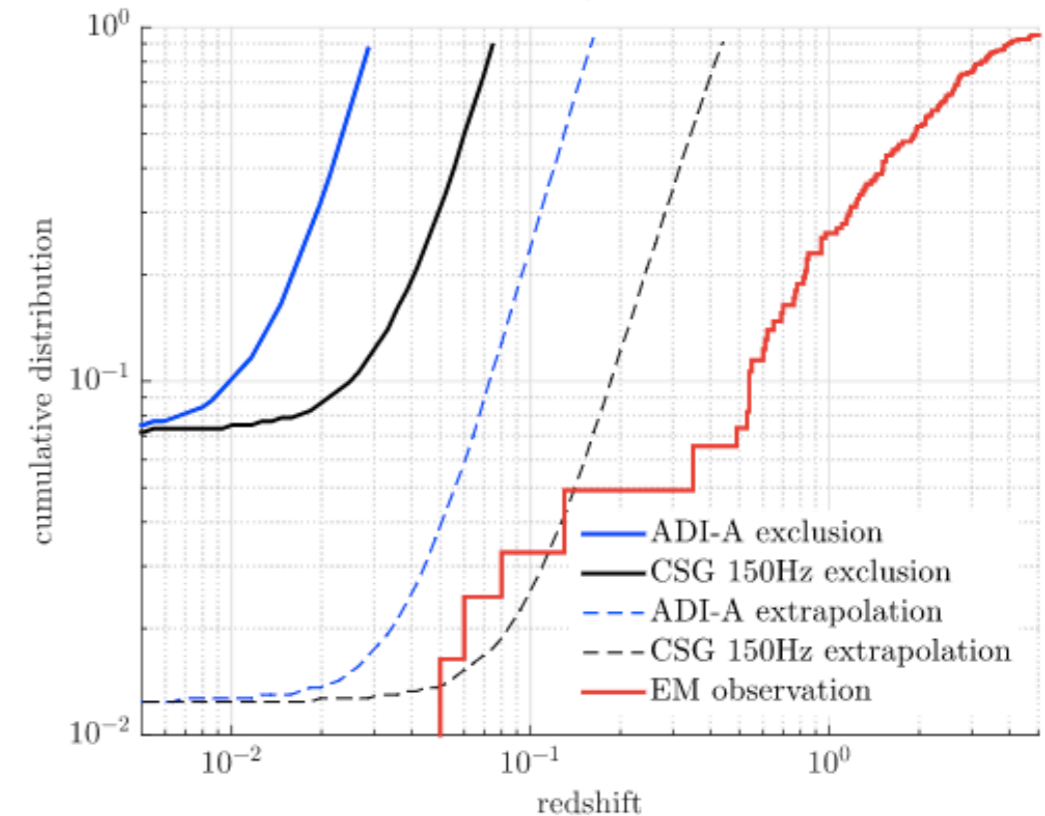
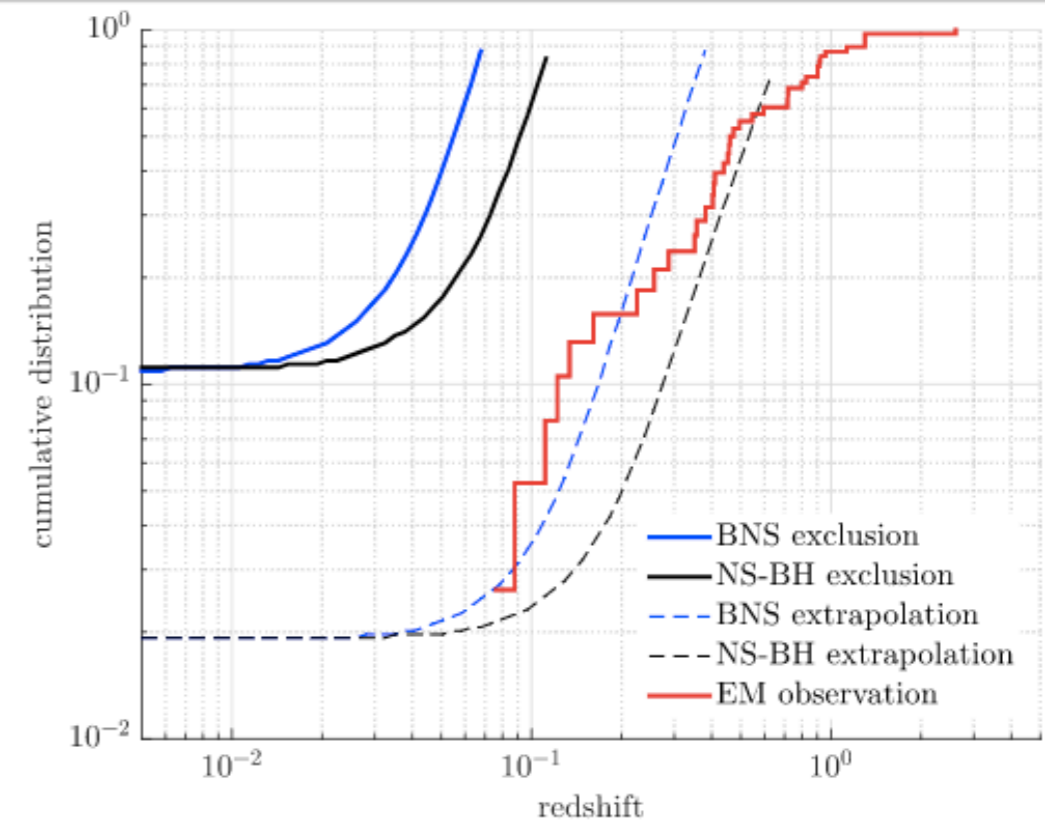
Triggered Searches

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Present

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- **Triggers:** GRBs, SNe, neutrinos
- **Low latency** (\sim minutes): look for coincident triggers from all-sky searches [Urban 2016]
- **Medium latency** (\sim hours): dedicated deep coherent GRB searches (GW bursts and binary mergers)
- **Higher latency** ($>$ weeks): final results



Challenges

- Where will our triggers come from?
- How to deal with hundreds/thousands of transients per day [LSST/SKA/...]?
- What if BNS mergers create long-lived remnants?
- Make everything as fast as possible! Parameter estimation in low latency.

