Low/High frequency - Network size trade off

Salvatore Vitale's personal view
subject to updates

MIT

Color code

- Blue: concerning black holes
Magenta: concerning neutron stars
Green: concerning CWs
Yellow: concerning stochastic.
Orange: bursts
Dashed: the unexpected

- Some boxes are red and blue meaning that any combination of NS and/or BH is relevant.

Caveats

- This plot should be taken as an indication of what science topics rely on which frequency and the number of detectors

- It is not meant to be rigorous (at least in this version)

- It's something I put together to show clearly how the answer to "what's the optimal network configuration" strongly depends on the scientific question one is trying to answer

- I will try to keep this to date and improve it with suggestions I receive

- You are welcome to use this diagram, just please kindly credit it