Section on "late Universe" sources

Astrophysical systems

3.2 Late Universe ..................................................... 12

3.2.1 Neutron star mergers ........................................... 12

- Section name could become: "Astrophysical systems"

- [D. Blas] There is also the new source at MHz from NS

  mergers https://arxiv.org/abs/2210.03171 (frequency-shift from kHz, expected

  amplitude of the signal, multi-band with ground-based interferometers, directionality,

  SGWB?)

- AGN

- Disk around BHs

- Fast radio burst

- Supernova, hypernova https://inspirehep.net/literature/1710112

- Neutron star collapse (after merger) https://arxiv.org/abs/1110.4442,


Light PBH mergers

- Eq. (25): Change $Mpc^{-3}$ to $Gpc^{-3}$ (typo, see also Ref [28]). fixed in arxiv version but not in journal version.

- update merging rate prescriptions (with unequal mass ratios, mergers in clusters) and include continuous waves from light inspiralling PBH binaries


- Discussion on Intrinsic signal duration

- Include possible GW backgrounds from PBHs BBH and CHE

Exotic compact objects

- Connection to fundamental fields (?), do we understand the cosmology of these

ECO.
3.2.5 (New subsec.) Memory effect. Signal left from mergers and hyperbolic encounters


Non-linear memory from mergers

- Memory for hyperbolic encounters
- Other sources?
- How do we compute the sensitivity for UHF experiments