



ET-0218A-25

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OSB Div9

Scientific potential of different detector configurations, and common tools



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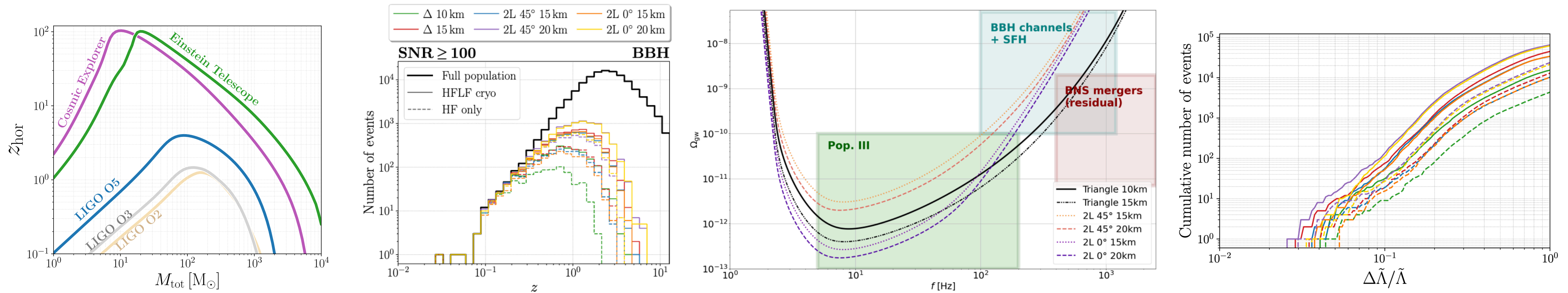
on behalf of OSB Div 9

<https://mail.ego-gw.it/mailman/listinfo/et-osb-tools>

<https://gitlab.et-gw.eu/div9/tools>

Current and future organization

► Reminder: we maintain tools for production of FOM and forecasts.



► Positive evaluation of the work and ambience in the last years. However...

Current and future organization

- ▶ Long debate about the nature of the division:
 - ◆ Some envision a “task force” rather than a “division”, some within Div. 10
 - ◆ Some would maintain a division, but with strengthened and mandatory inter-division liaisons
 - ◆ No clear consensus. **Feedback welcome.**
- ▶ We do not see scope at the moment for structured projects (e.g. collaborative papers)
- ▶ Work on site evaluation (ETO taskforce and others) will continue

Intra-division nature and activities. General thoughts

- ▶ We view **coordination and liaison across divisions as key priorities**, regardless of the structure of Division 9
 - ◆ Div. 9 can be a space open to organise such coordination (e.g. code review, shared projects)
 - ◆ We do not want to have control on this, but to offer space for contributions
- ▶ Use the division as a forum to **standardize and assess tools** for broader collaboration use with a global perspective, **integrating** software other than Fisher codes (e.g., Bayesian tools, waveform modeling, pop-synth...) in the list of tools usable by the wider ET community.

Division 9 != Fisher matrices. A collector of products coming from all divisions. Need engagement to make this happen.

▶ Useful in the long term?

Intra-division nature and activities. Possible plans

- ▶ **Survey and document available tools** (simulations, forecasts, waveforms) across divisions in synergy with them.
- ▶ Encourage and coordinate **code comparison/review practices** and discuss across divisions (e.g., "what is a common tool?", "how does my code become a common tool?").
 - ◆ Not as heavy as a full review yet, but some basic common checks to be assessed
- ▶ Promote **presence in other divisions' meetings** to foster collaboration and harmonize software use, **and vice-versa**. Proactive contributions are important.

Two-year timescale ambitions

- ▶ Develop a procedure for **code evaluation and sharing**, possibly including standard rules, not as heavy as a full code review. In synergy with other divisions.
- ▶ Develop a **collector of tools used across divisions** with an efficient and rewarding procedure to make them known and usable. Occasion for development, networking and visibility rather than extra workload.
- ▶ All these require **proactive collaboration** from other divisions, especially software developers. We do not need to have the control, would like to be an open space

Critical points for discussion

- ▶ **Workforce shortage** is a limiting factor for progress and continuity.
- ▶ Is ours “service work”? Need for **formal recognition**, especially when no data is available yet
- ▶ Concern over unfair workload on junior/non-permanent members without guaranteed publication outcomes.
- ▶ Current situation discourages involvement; **clarity in publication policy is essential** to attract contributors. Desire for **pre-agreed deadlines and publication plans** to avoid a posteriori changes (e.g., BB case).