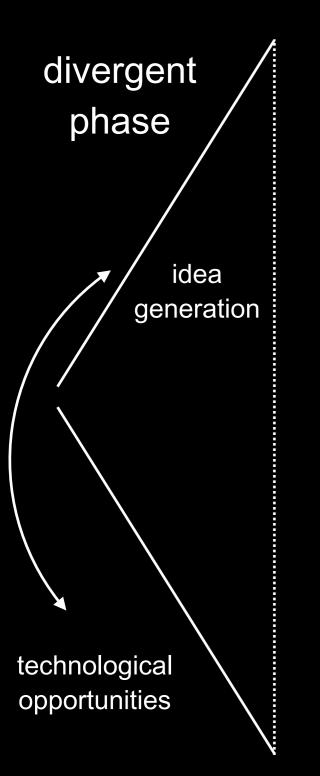
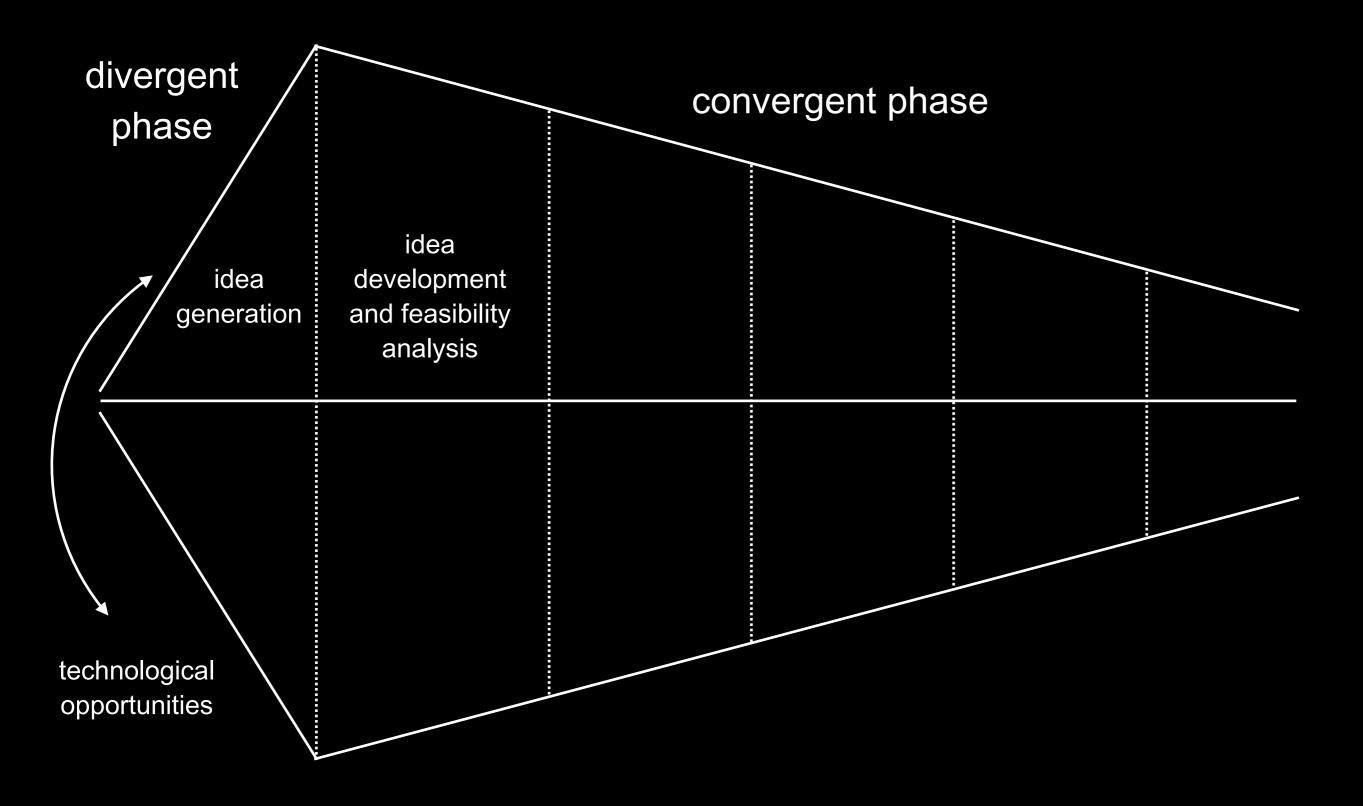


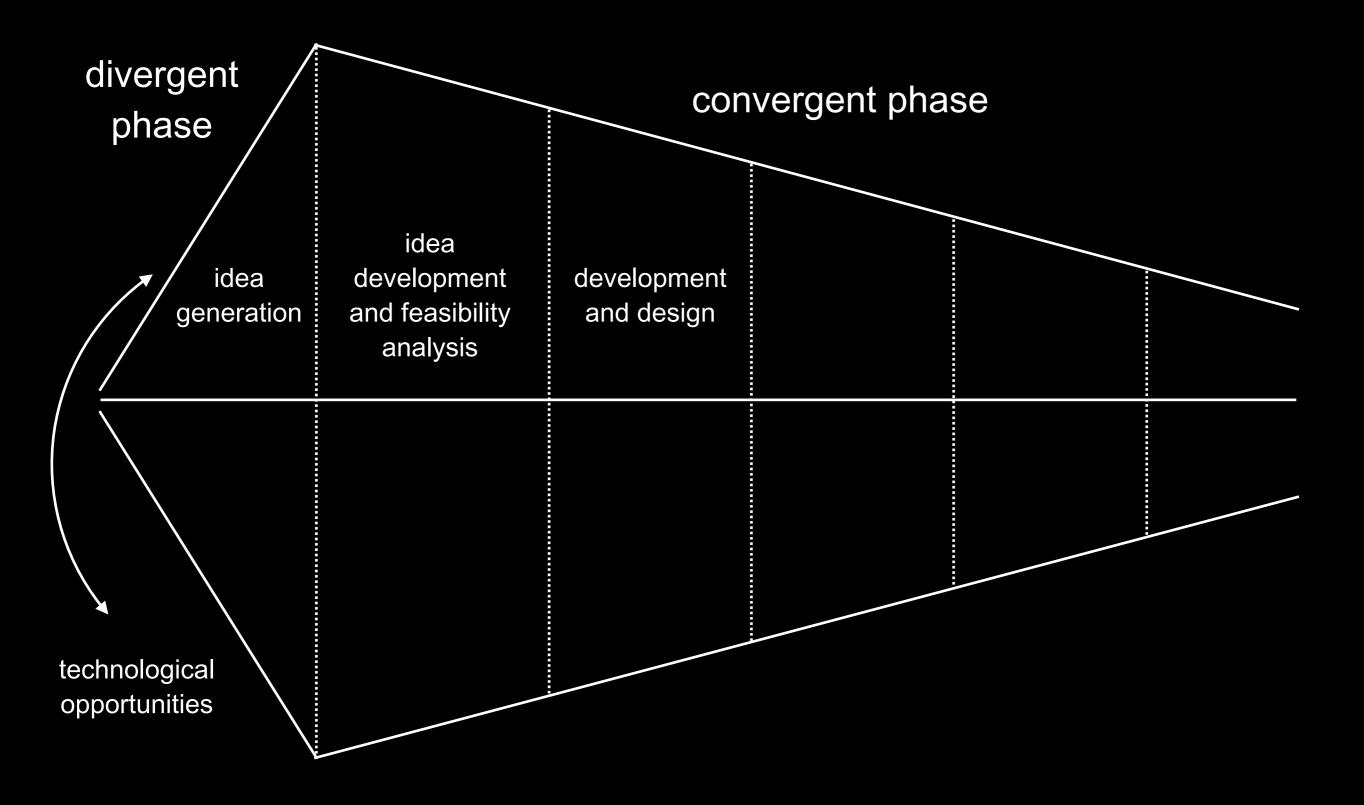
Living review update

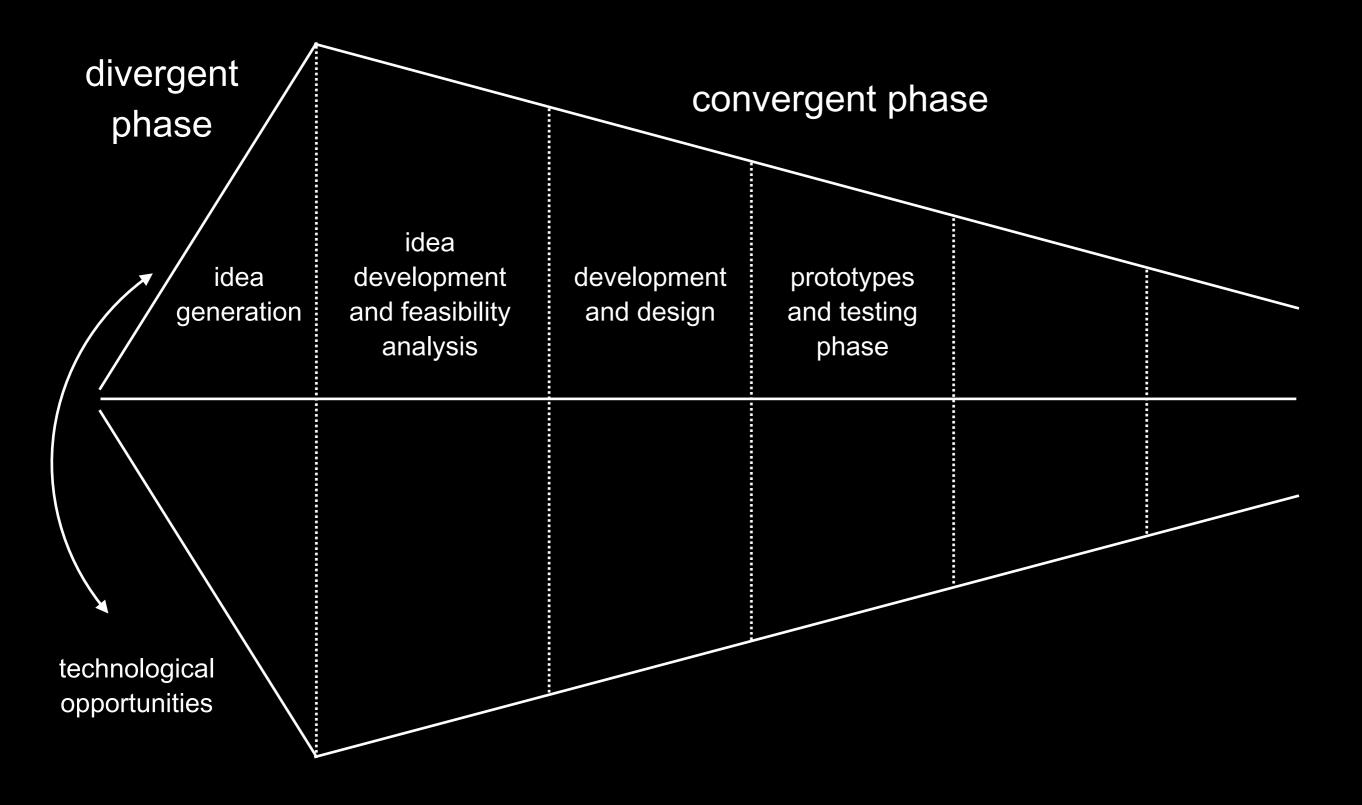
Session II

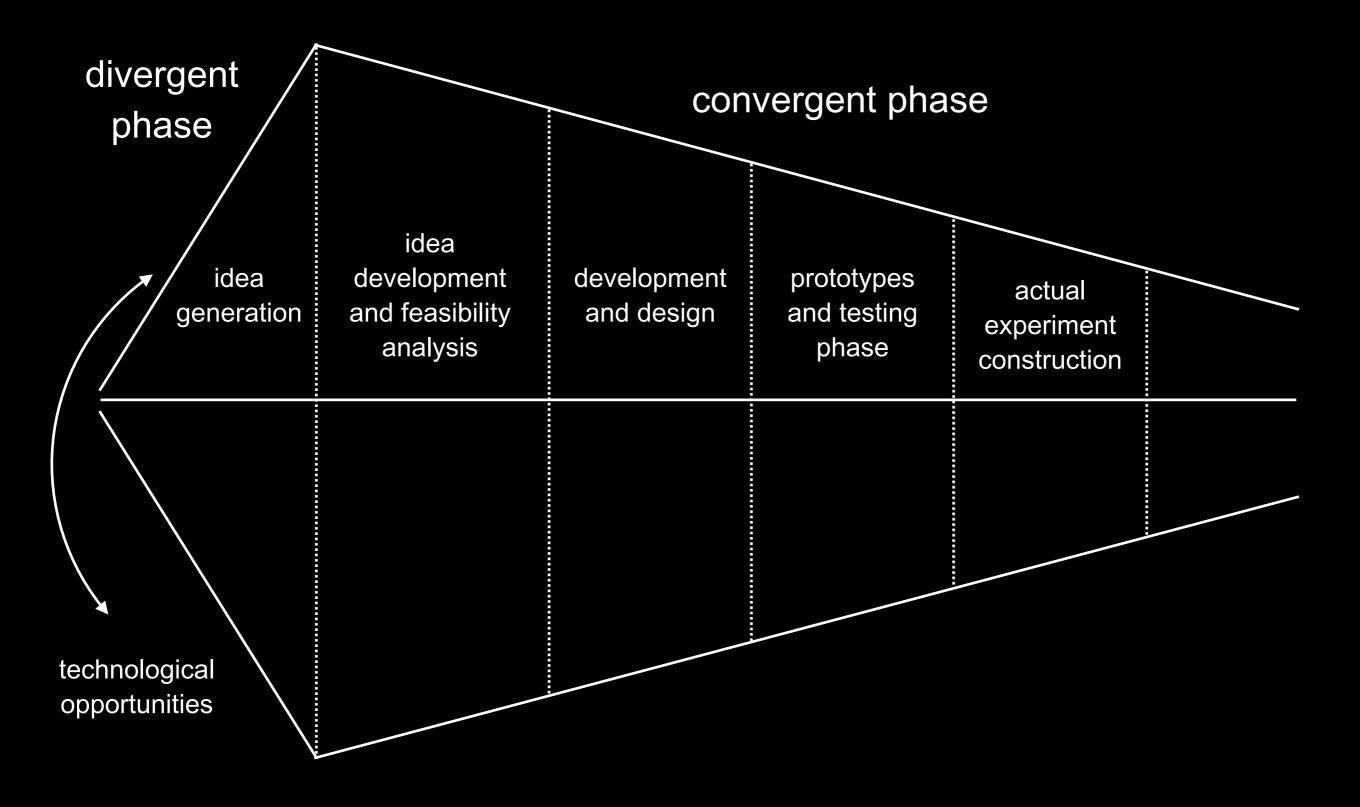
Ultra-High-Frequency GWs Where to Next?

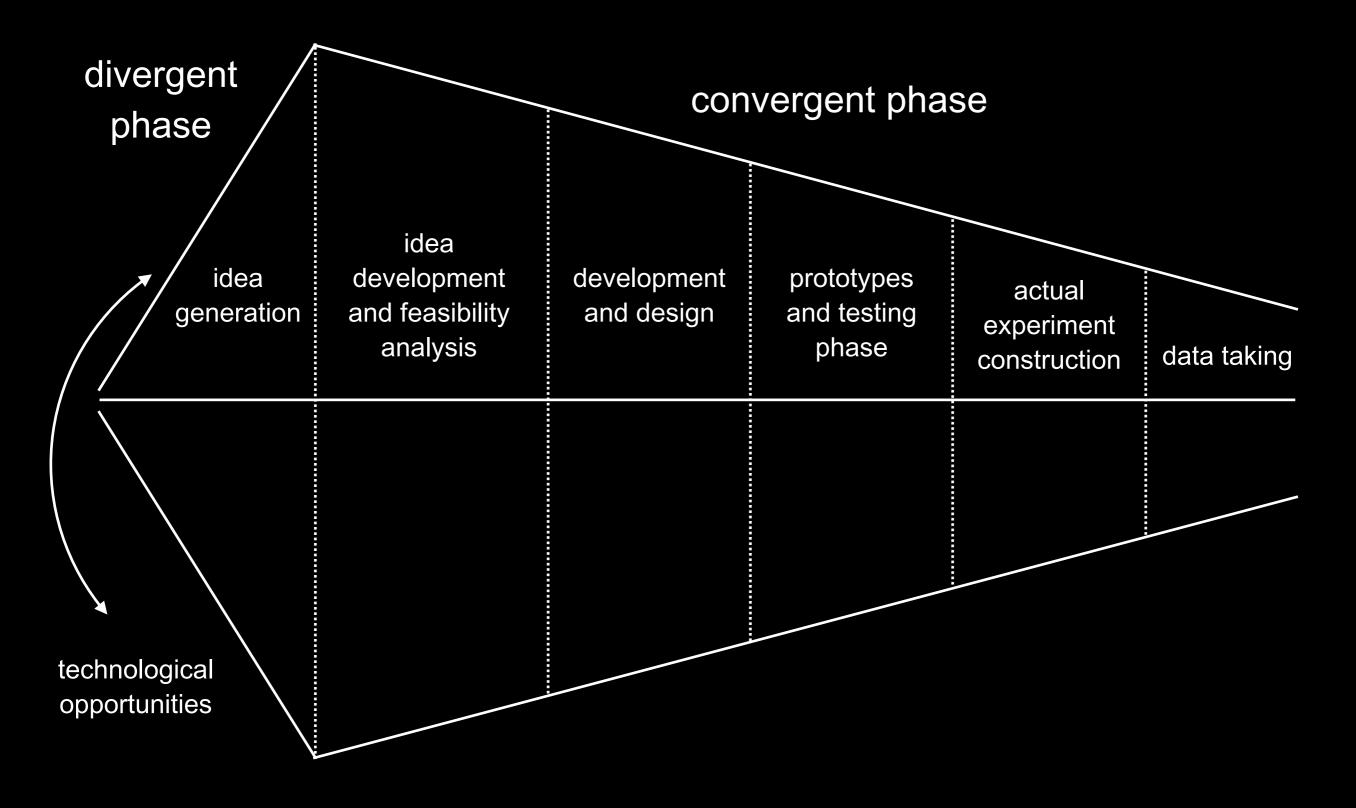


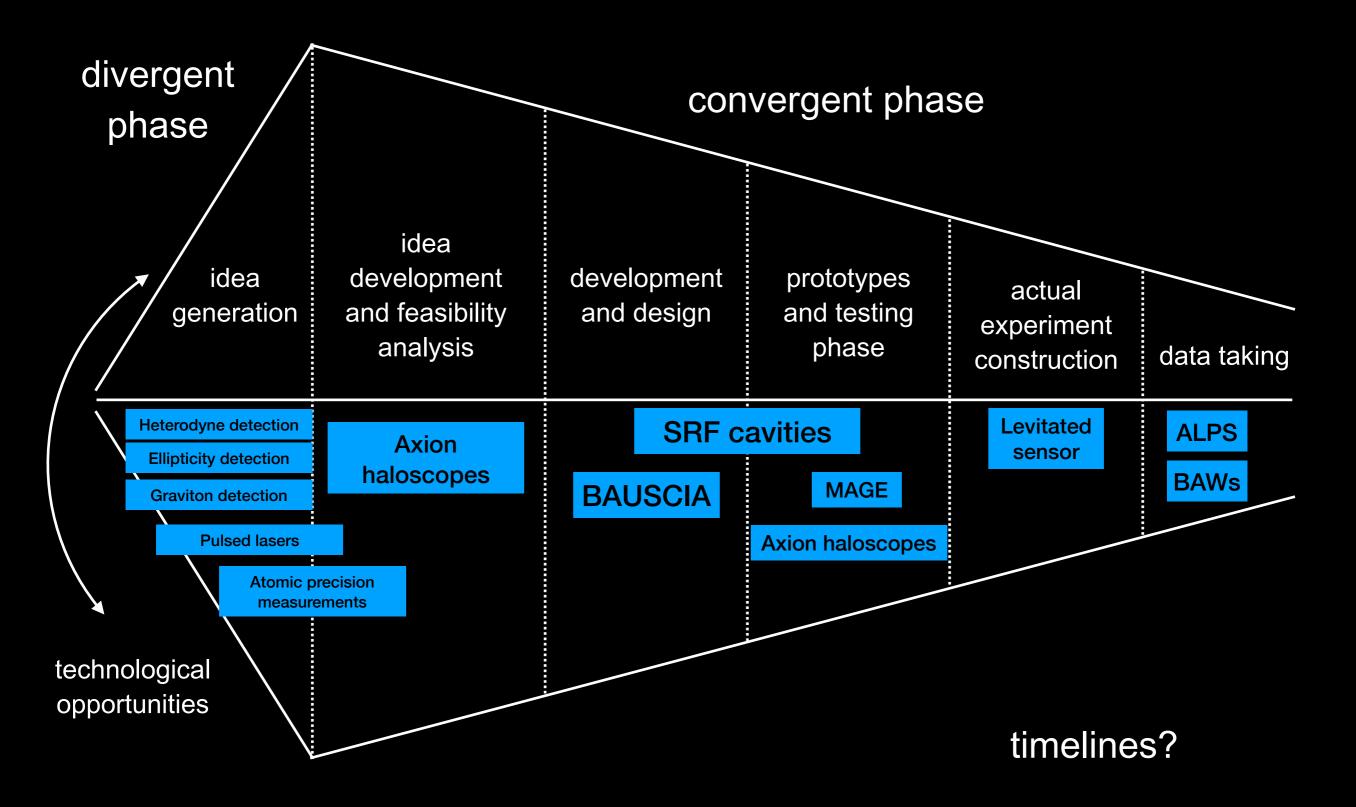


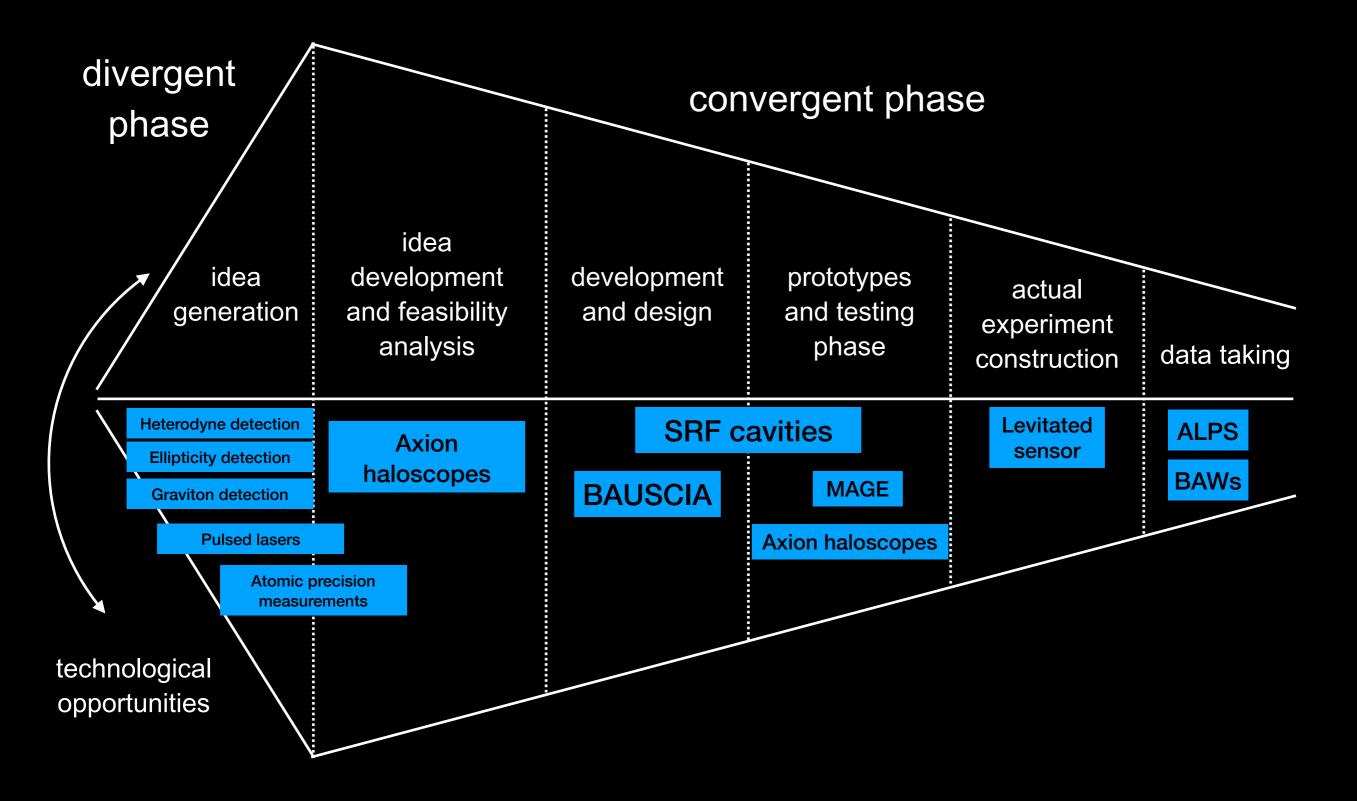




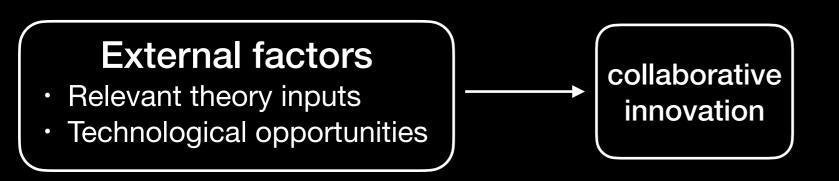






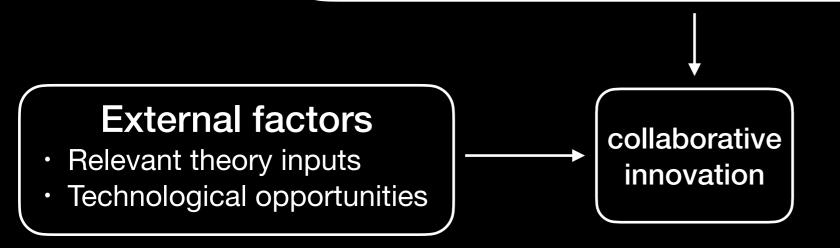


collaborative innovation



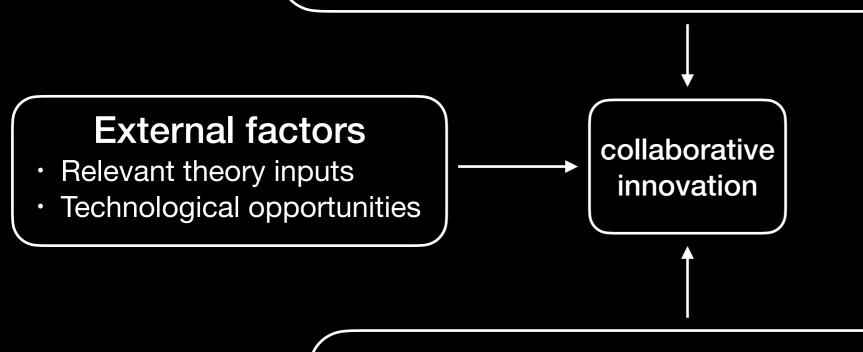
Facilitating factors

- Compatible goals
- Reciprocal trust and absence of opportunistic behaviours
- High-quality communication
- Constructive committment
- Perception of equity in the share of risks and benefits



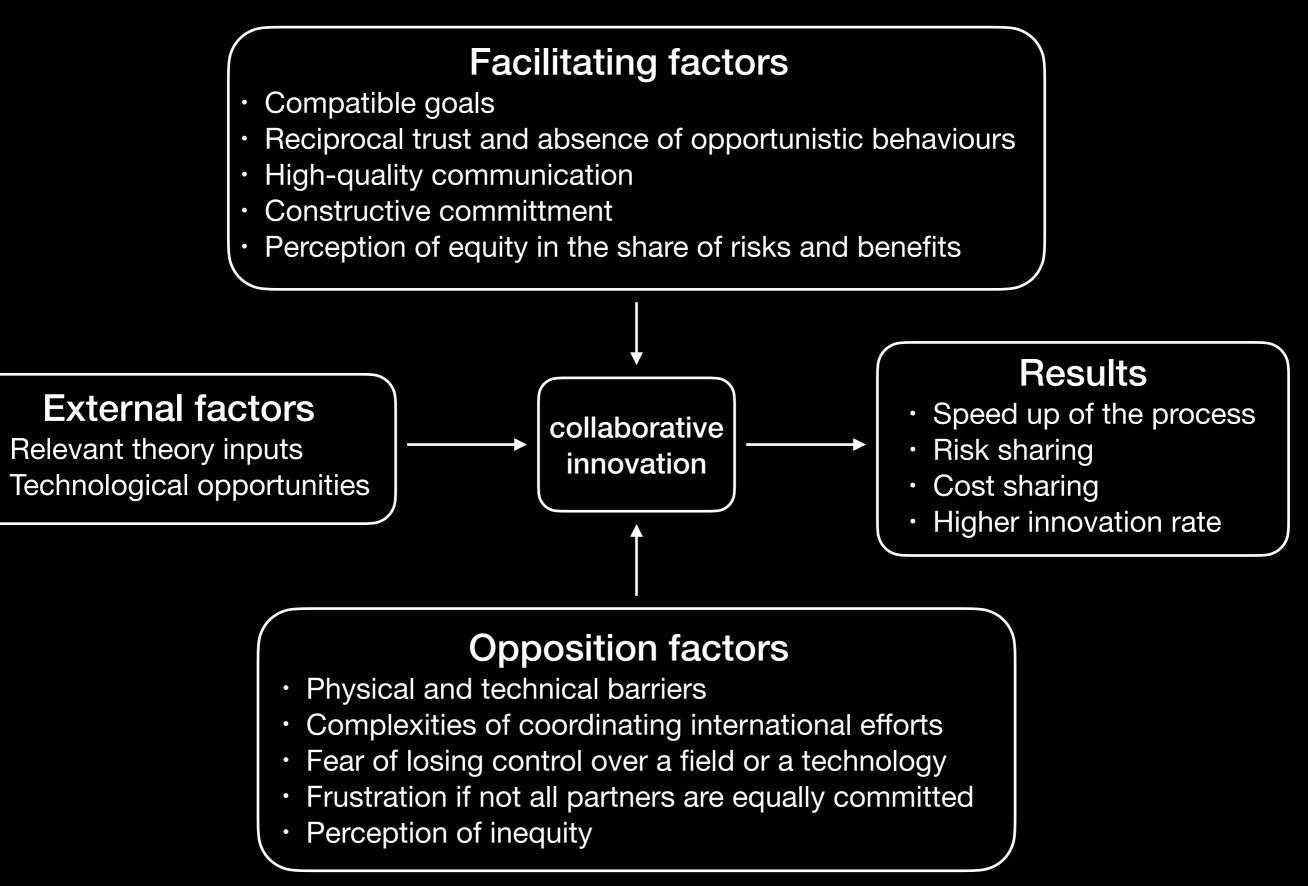
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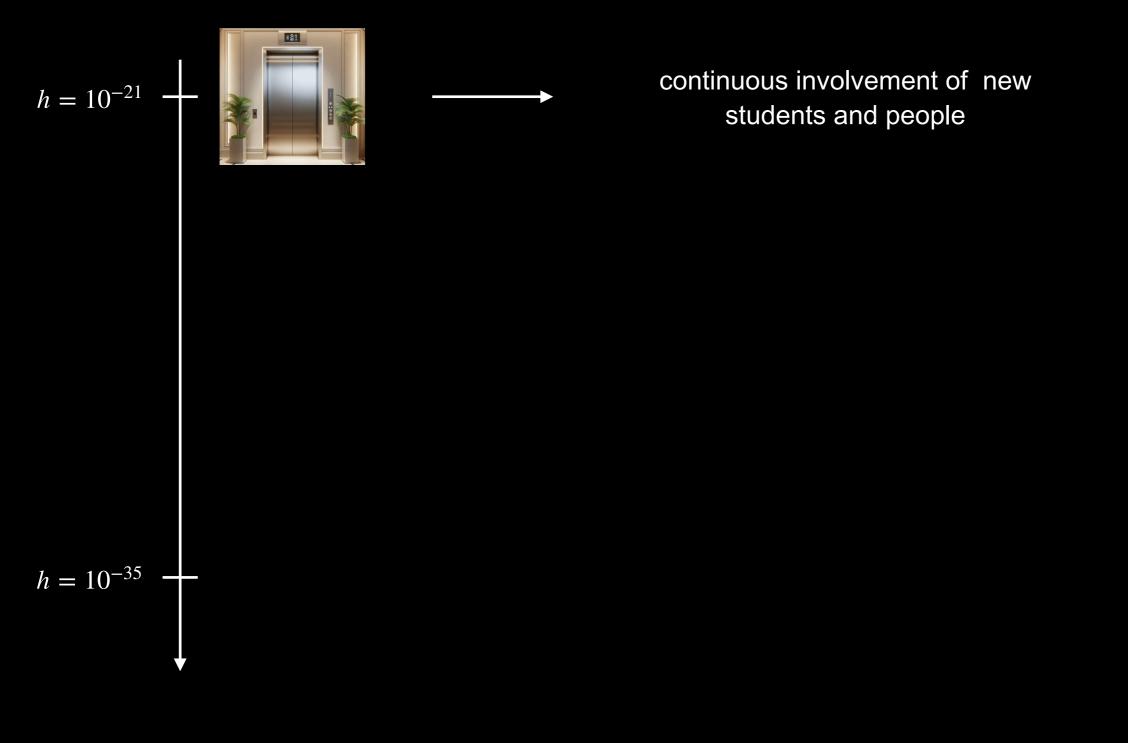


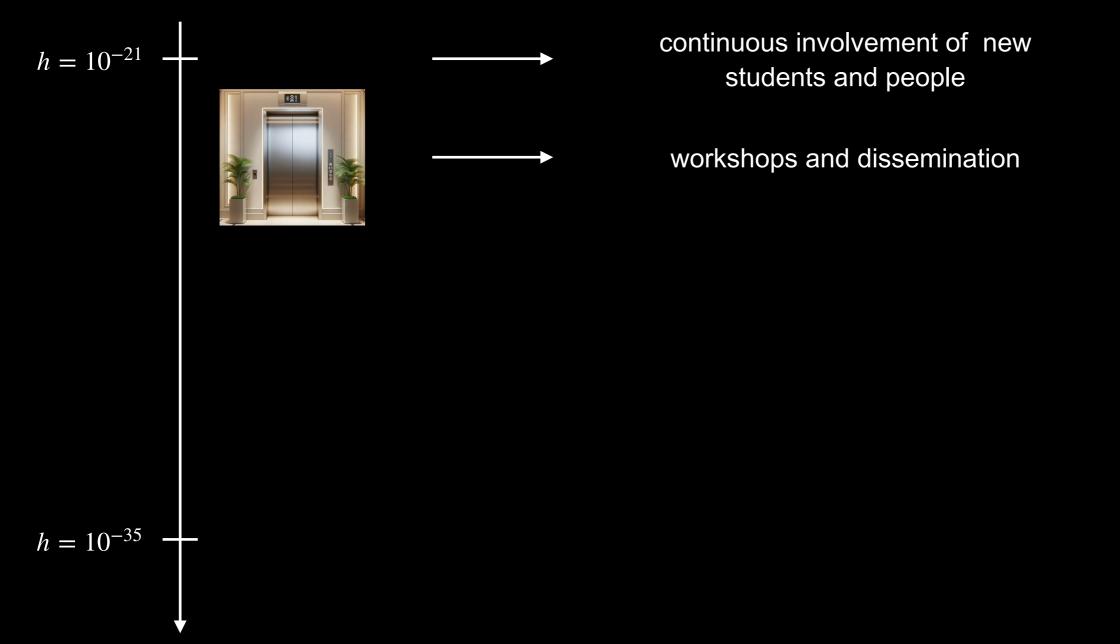
Opposition factors

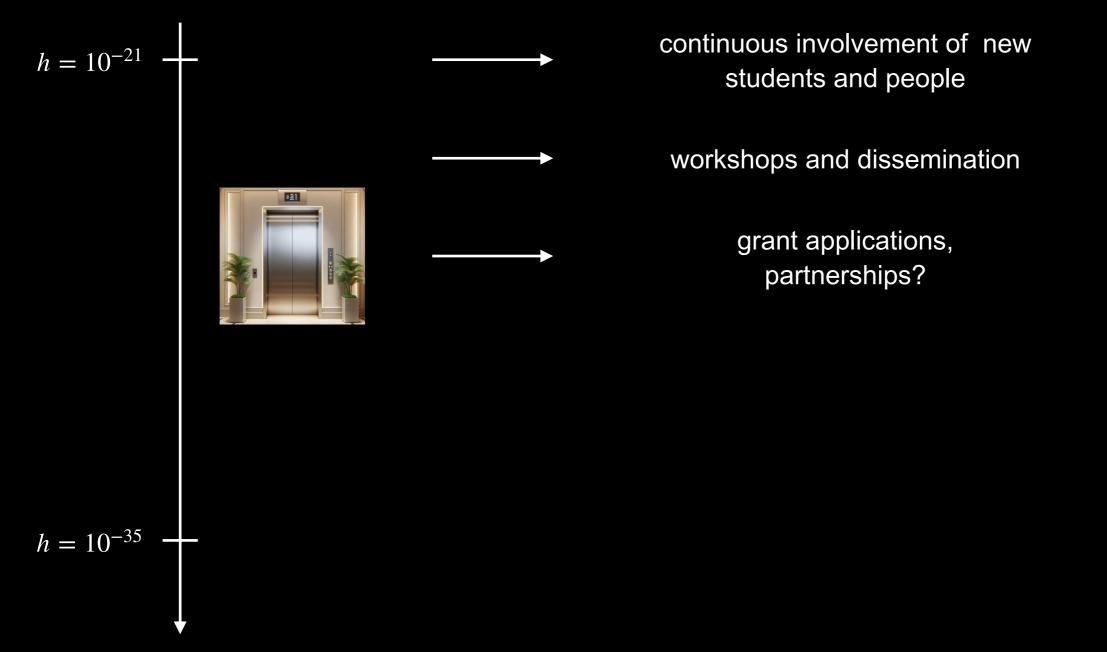
- Physical and technical barriers
- Complexities of coordinating international efforts
- Fear of losing control over a field or a technology
- Frustration if not all partners are equally committed
- Perception of inequity

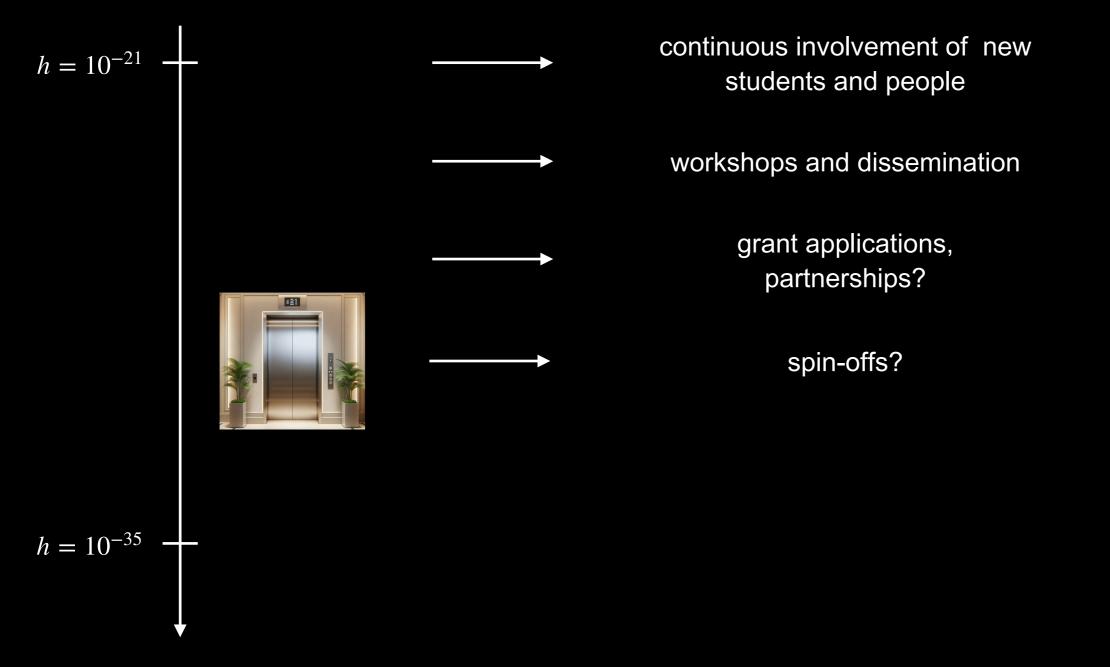


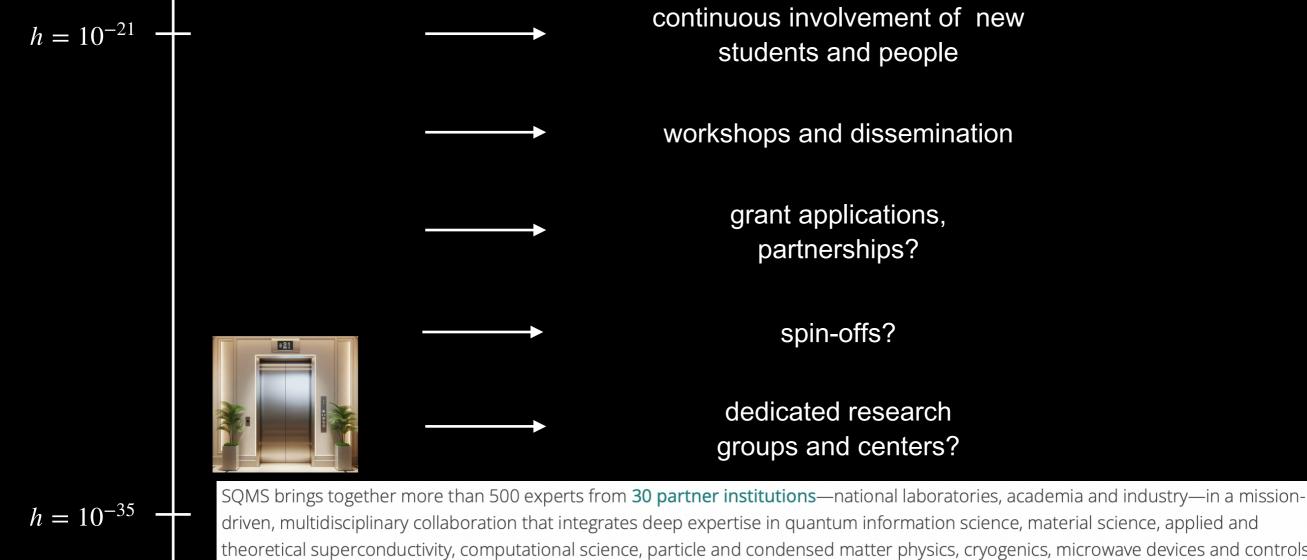




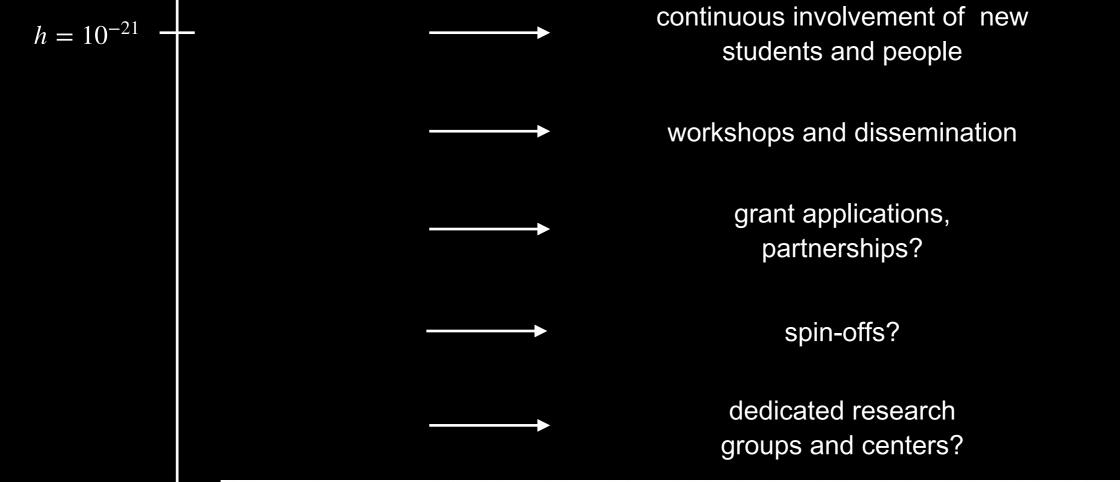








driven, multidisciplinary collaboration that integrates deep expertise in quantum information science, material science, applied and theoretical superconductivity, computational science, particle and condensed matter physics, cryogenics, microwave devices and controls engineering, industry applications and more.



tions—national laboratories, academia and industry—in a missionquantum information science, material science, applied and densed matter physics, cryogenics, microwave devices and controls engineering, industry applications and more



 $h = 10^{-35}$



detection

New structure of the review

1. Introduction

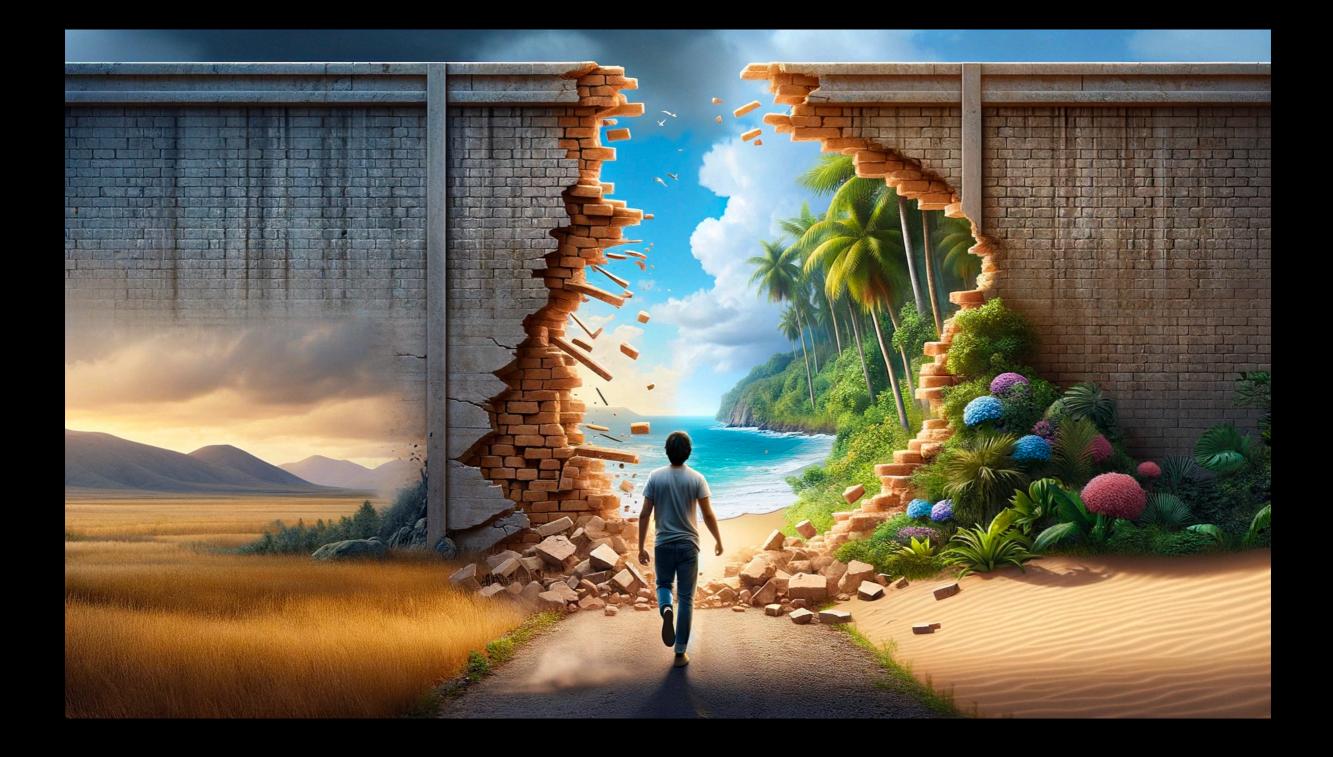
2. Setting up the Notation: Comparing Different GW Sources and Detectors - (sarellis@protonmail.com)

3. Sources

- 3.1 Late Universe Gabriele Franciolini (gabriele.franciolini@cern.ch)
- 3.2 Early Universe Andreas Ringwald (andreas.ringwald@desy.de)
- 4. Detection of Gravitational Waves at High-Frequencies Axel Lindner (axel.lindner@desy.de)
 - 4.1 Laser Interferometers and Resonant Mass Detectors and Their Limitations
 - 4.2 Modern resonant mass detectors Diego Blas (dblas@ifae.es)
 - 4.2.1 Optically Levitated Sensors
 - 4.2.2 BAWs
 - 4.2.3 GW deformation of microwave cavities
 - 4.3 GW-EM conversion in the lab Sung Mook Lee (sungmook.lee@yonsei.ac.kr)
 - 4.3.1 Light shining through a wall
 - 4.3.2 SRF cavities
 - 4.3.3 Axion haloscopes
 - 4.3.4 High energy pulsed lasers
 - 4.3.5 Others
 - 4.4 Astrophysical and cosmological detection concepts Jamie McDonald (jamie.mcdonald@manchester.ac.uk)
 - 4.5 Alternative concepts Asuka Ito (asuka.ito@kek.jp)
 - 4.6 Summary of detector sensitivities TO BE REVISED
 - 4.7 Cross-correlation detectors Giancarlo Cella & Kristof Schmieden (giancarlo.cella@pi.infn.it, kschmied@cern.ch)

5. Conclusions

FIRST DRAFT IS DUE ON THE 1st OF MARCH



Thank you all!