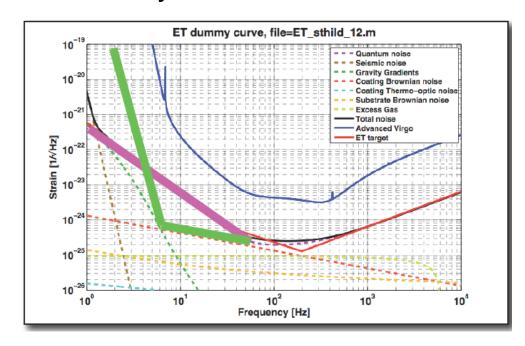
Sensitivity trade-off for CW searches

C. Palomba - INFN Roma

Let us consider the two possible sensitivity curves shown by S. Hild at the Cardiff meeting

(https://workarea.et-gw.eu/et/WG4-Astrophysics/meetings/cardiff-090325/ -> ET Sensitivity News, slide 10) .

One is the "standard" ET-B sensitivity, the other (ET-B2) has a much worse sensitivity below ~3Hz but better around 10Hz.

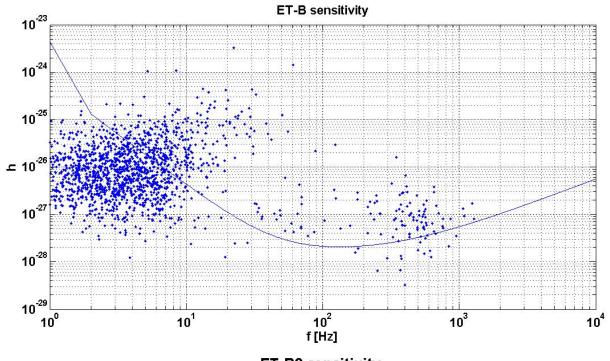


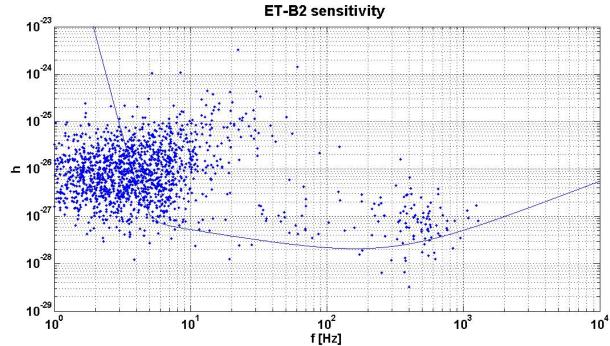
$$T_{obs} = 5 yr$$

FAP = 1%

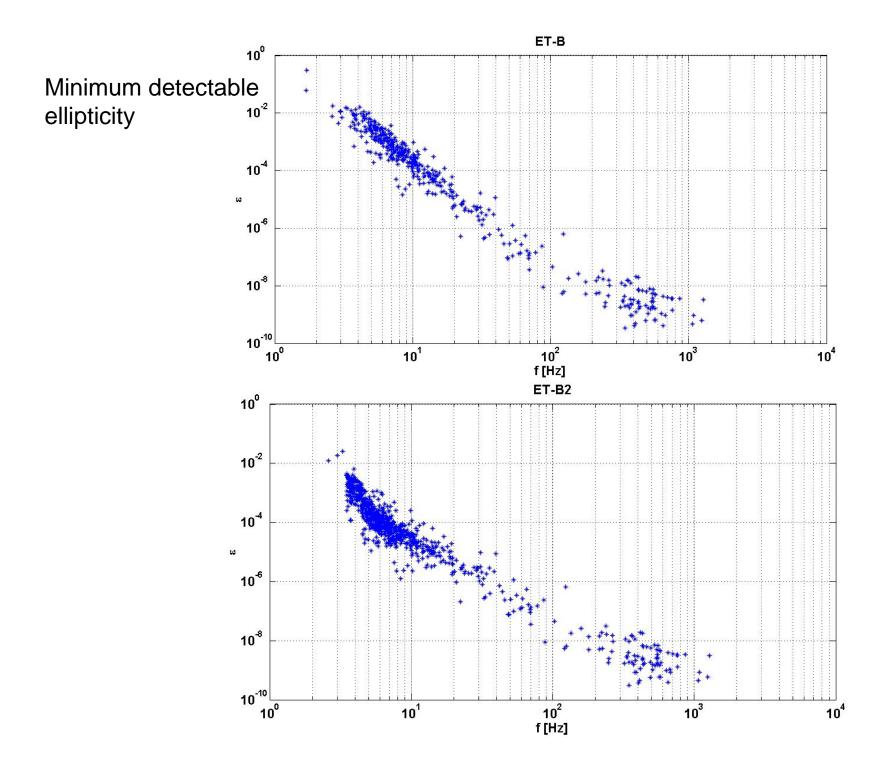
FDP = 10%

Minimum detectable amplitude vs. known pulsars at spin-down limit









4

