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Prof. Tomasz Bulik (University of Warsaw)

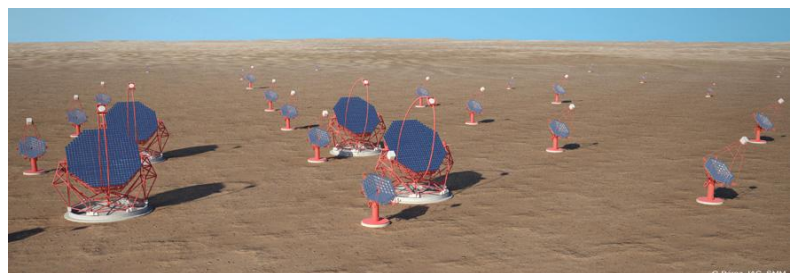
Tomasz Bulik is professor of Astronomy at the Department of Astronomical Observatory, University of Warsaw. He obtained Ph.D. at Penn State in 1993. His research interests are accreting compact object, gamma ray burst, binary evolution, gravitational wave sources, high energy phenomena, relativistic astrophysics. recently I also work on site testing for astronomical infrastructure..

Observational estimates of the binary black hole coalescence rate

The coalescence rate for compact object binaries has been a subject of multiple papers. The rates can be estimated using the observations or with the population synthesis method. I will describe the current understanding of the limits on the stellar mass compact object binaries, with a special emphasis on the binary black holes. I will describe the current observational constraints on the binary black hole formation and coalescence rates and I will try to convince everyone that the gravitational wave community is quite likely very close to the first detection.

CTA observatory and the future of high energy gamma ray astronomy

High energy gamma ray astronomy has undergone a large development in the last few years. The results from Cherenkov telescopes like HESS, MAGIC and VERITAS observatories have open new horizons and showed multiple new sources. I will review the very high energy sky, and present the status of the preparations for Cherenkov Telescope Array – the next generation Cherenkov observatory.



All are welcome! Tea, coffee, biscuits will be served at 1:45 P.M.