TeV gamma-ray follow-up with H.E.S.S. and CTA

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on behalf of the H.E.S.S. collaboration and the CTA consortium
H.E.S.S. observations of GW170817

- First observations of a ground-based pointing instrument
  - 5.3 hours after GW170817
  - 5 minutes after the GCN circular announcing the Ligo+Virgo analysis
  - Pointings derived from GLADE x LVC correlation in 3D
- Extensive follow-up campaign over 5 nights (0.22days - 5.22days)
  - no significant signal: $\Phi (0.27 < E \ [\text{TeV}] < 8.55) < 1.5 \times 10^{-12} \ \text{erg cm}^{-2} \ \text{s}^{-1}$

For details see "Science with CTA"

GW follow-up highest priority in Transient Key Science Project
GW170817 @ Cherenkov Telescope Array

LST prototype under construction, first light during O3!