R4 Status Observations of Gamma Ray from Dark Matter

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R4: Observations of Gamma Ray from Dark Matter DMNet

Participating Institutions

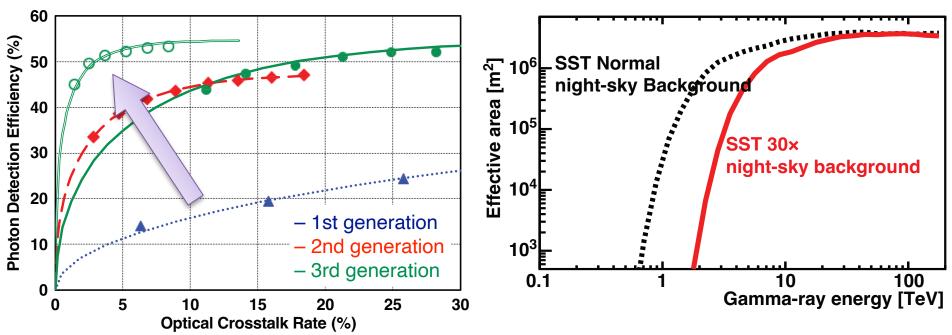
- Max Planck Institute for Nuclear Physics, DESY
- INFN Padova
- University of Leicester, University of Liverpool
- Nagoya University, Hiroshima University, Ibaraki University
- Research topics
 - Dwarf spheroidal galaxies
 - Galactic center
 - Galaxy clusters
 - Line search
- Instruments
 - Fermi Gamma-ray Space Telescope (Padova, NU, HU)
 - WIMP mass up to 800 GeV/c²
 - Cherenkov Telescope Array (MPIK, DESY, Padova, UL, NU, HU, IU)
 - WIMP mass up to a few TeV/c²



Development of SiPM Camera for CTA

Improvement of SiPM performance

- Suppress optical crosstalk while maintaining photon detection efficiency
- Improvement of gamma-ray source sensitivity by moon-night observations

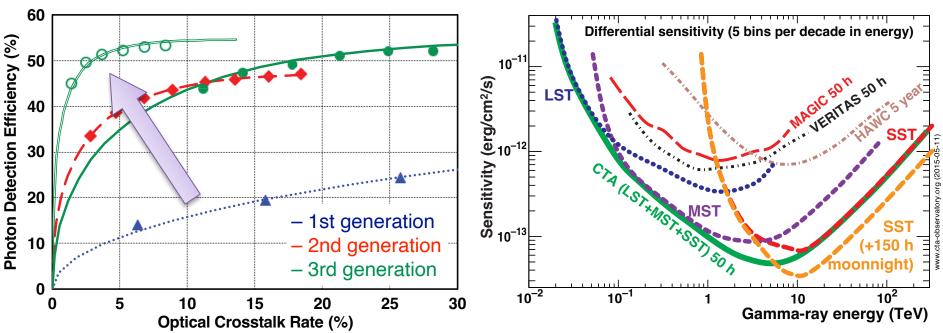


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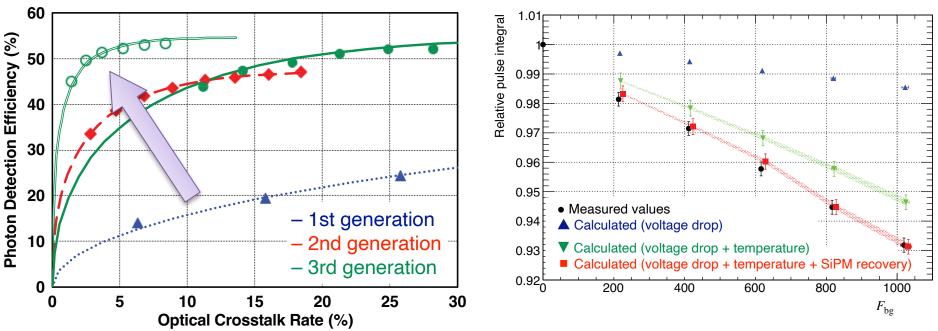
DMNet



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CTA Timeline



