

## Remote: The Detectors based on the PMTs

*Thursday 21 November 2024 15:17 (27 minutes)*

Photomultiplier tubes (PMTs) are general components in particle physics and nuclear physics experiments. They convert light signals into electrical signals. When a primary photoelectron comes from the photocathode of the PMT, it will be amplified by the dynode or MCPs. Especially in the neutrino observatory experiments and large cosmic ray experiments, where hundreds or even thousands of PMTs are employed to detect scintillator photons or water Cherenkov light. According to different experimental designs, different types of PMTs varying in either dimension or performance are selected. This talk will discuss different types of PMTs, and the detectors based on these types of PMTs.

### Do you need a VISA letter for traveling to Canada ?

Yes

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**Session Classification:** MCP/PMT (Chair: Giacomo Gallina, Maria Adriana Sabia)

**Track Classification:** Invited Talk