

## VLVnT - 2015 : Very Large Volume Neutrino Telescope



Contribution ID: 107

Type: **not specified**

### ET Enterprises

Recent demands for photomultipliers as a result of large scale telescope projects has pushed the performance requirements and boundaries in their design and development. The need for improved timing characteristics, low afterpulse, enhanced QE and compact design are essential to meet the performance needs of the next generation telescopes.

ET Enterprises has a long history in the design and development of photomultipliers which has been further enhanced with the experience of a sister company called ADIT based in the USA who also manufacturer PMTs. A recent acquisition of a glass company called Plowden and Thomson has provided ET Enterprises glass supply security and expertise in ultra low background glass and glass blowing.

This presentation will introduce and cover photomultiplier developments with 11" dia , compact 3" dia and high QE . In addition to photomultipliers ET Enterprises has new designs for high voltage bases to enhance detector performance. These are high efficiency and are ideal for large scale photomultiplier deployment and remote applications that need to operate on batteries or solar power

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