

# *Phi Lambda Upsilon Annual Seminar Series*

## Charge Detection Mass Spectrometry

Distinguished Professor Martin Jarrold

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Charge detection mass spectrometry (CD-MS) allows accurate mass measurements to be performed for heterogeneous samples that are challenging to analyze by conventional MS. In particular, CD-MS has opened the door to the analysis of high molecular weight samples like viruses, vaccines, and nanoparticles that were considered beyond the range of mass spectrometry. Recent developments have culminated in the release of a commercial instrument. Current performance and likely upgrades will be described along with some application to the assembly and disassembly of viruses and virus-like particles.



Wednesday, April 15, 2026



3:00 pm



WTHR 160