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【303】Data transmission tests of the ATLAS Inner Tracker Detector opto-electrical conversion system.

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Following Run III of the LHC, the ATLAS Inner Detector will undergo a series of upgrades to cope with the high radiation environment of the High Luminosity LHC. The Optosystem is the opto-electrical conversion system dedicated to the readout of the ATLAS Inner Tracker (ITk) Pixel detector that will replace the pixel detector of the Inner Detector. The testing of electrical characteristics of the components of the Optosystem and the full data transmission chain is crucial. In this talk, I will present results of the data transmission and time-domain reflectometer measurements of the Optosystem as well as the current status of Optosystem tests at Bern.

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