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Instrumentation trends for multiplexing continuous-beam spectrometers

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The recent decades have seen a constant and fruitful development of neutron spectrometers of the triple-axis type. Different ways of multiplexing have been implemented and a number of instruments are performing user experiments regularly, while some have recently been replaced by even better instruments. In this overview, I will review the common designs and their typical use cases at a number of facilities. Furthermore, I will point towards the coming interesting developments. Here, I will focus on the development with the CAMEA spectrometer at PSI and the similar (although time-of-flight) instrument BIFROST, under construction at ESS.

Primary author: LEFMANN, Kim (University of Copenhagen)

Presenter: LEFMANN, Kim (University of Copenhagen)

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