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Studies and commissioning results of the PolariX TDS system at SwissFEL

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This contribution summarizes some results obtained so far during the set-up of the two X-band TDSs with variable polarization (PolariX) installed downstream the Athos undulators in SwissFEL. The method used to avoid a beam kick in the plane orthogonal to the streaking plane and a study of the dependence of the deflecting voltage on the shape of the klystron pulse are described in more detail.

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