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The undulator-based positron source offers even polarized longitudinally as well as transversely polarized beams.

Both cases are very substantial for matching the promised physics and precision goals.

An overview will be given about the baseline undulator source set-up and technical open issues will be addressed.

Recent progress on the field simulations, the rotating wheel design, the optic matching device and the capture system will be given.

Ongoing and for this year foreseen R&D work will be reported.

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