

Results with the Visible Light diagnostics with EBS now in full User-service mode

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Several Visible Light diagnostics have put in operation, more than 1 year after the start of the EBS commissioning. The Visible Light extraction system, with its first mirror in UHV and a chicaned transfer line, has been completely and optimally aligned to obtain distortion-free light in a dedicated laboratory at 9m from source point. This allowed to characterize this light in different means, and to then use it for bunch-length measurements with a Streak Camera. This for both the stored bunches in the Storage Ring and for the injected bunches, with the latter showing both their bunch-length and the longitudinally behaviour of that injected beam under different injection conditions.

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