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LCLS-I MPS upgrade: Adding BSA (Beam Synchronous Acquisition) capability

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LCLS-I MPS has been upgraded by adding BSA (Beam Synchronous Acquisition) IOC running on linuxRT which is already receiving BSA data from all 6 BLM MPS link nodes. Updating the rest of the 9 PIC MPS link nodes is in progress. We will also briefly present the roadmap to add automatic rate recovery capability to the LCLS-I MPS.

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