Contribution ID: **179** Contribution code: **THP56** Type: **Poster Presentation**

Recent progress in stabilized fiber link

Thursday, 12 September 2024 16:00 (1h 30m)

Femtosecond pulsed optical synchronization systems have developed rapidly in the past decade and has become a preferred technique to synchronize FELs. As a bridge connecting the reference source and the clients, the stabilized fiber links need to transmit the reference signal over a long distance to the clients with ultra-low additional jitter, which are used to precisely measure the electron bunch arrival time for fast feedback correction, to prescisely synchronize various laser clients, and to regenerate RF reference signals for low level control system.This paper presents the recent progress in stabilized fiber link.

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

Primary author: WANG, Jinguo (Shanghai Advanced Research Institute)

Co-authors: LIU, Bo (Shanghai Advanced Research Institute); WU, Bowei (Shanghai Advanced Research Institute)

Presenter: WANG, Jinguo (Shanghai Advanced Research Institute)

Session Classification: THP: Thursday Poster Session

Track Classification: MC5: Longitudinal Diagnostics and Synchronization