Contribution ID: **206** Contribution code: **MOP064**   Type: **Poster Presentation**

Online accelerator modeling with two controls systems at FACET-II

Monday 11 August 2025 16:00 (2 hours)

FACET-II is a unique experimental facility housed in 1 km of the original Stanford Linear Accelerator tunnel. Multiple generations of hardware are still in use, as are two generations of software controls. A majority of subsystems (RF, magnets, timing, etc.) have their controls split across both ecosystems. Three software layers, including a newly-developed online modeling infrastructure, bridge this gap to form a unified high-level abstraction of the accelerator used for data analysis and as a foundation to develop control-room physics applications. We discuss the implementation of this infrastructure and some downstream programs.

Please consider my poster for contributed oral presentation

Yes

Would you like to submit this poster in student poster session on Sunday (August 10th)

No

Footnotes

Funding Agency

I have read and accept the Privacy Policy Statement

Yes

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Session Classification: Monday Poster Session