



Contribution ID: 1433 Contribution code: TUPB090

Type: **Poster Presentation**

## Impedance consideration of the ALS-U septum kicker

*Tuesday 3 June 2025 16:00 (2 hours)*

The ALS-U septum kicker is a large impedance source although beam only goes through it once. The monopole wakefield and dipolar wakefield are considered, with the effect to the bunch train kick and the project emittance increment.

### Footnotes

### Paper preparation format

LaTeX

### Region represented

America

### Funding Agency

WORK SUPPORTED BY THE DIRECTOR, OFFICE OF SCIENCE, OFFICE OF BASIC ENERGY SCIENCES, OF THE U.S. DEPARTMENT OF ENERGY UNDER CONTRACT NO. DE-AC02-05CH11231.

**Author:** WANG, Dan (Lawrence Berkeley National Laboratory)

**Co-author:** VENTURINI, Marco (Lawrence Berkeley National Laboratory)

**Presenter:** WANG, Dan (Lawrence Berkeley National Laboratory)

**Session Classification:** Tuesday Poster Session

**Track Classification:** MC4: Hadron Accelerators: MC4.T12 Beam Injection/Extraction and Transport