



Contribution ID: 68

Type: Oral presentation using Zoom

## Doubly-charged Higgs boson production at electron-electron colliders in the Georgi-Machacek model

*Thursday, 28 October 2021 16:50 (20 minutes)*

It is possible to extend the Higgs sector in the Standard Model (SM) of particle physics in various ways, to resolve some of the open problems in the SM. One of the options is the Georgi-Machacek (GM) model, which introduces SU(2) triplet scalars in a non-trivial way. We revisit doubly-charged Higgs boson production processes in the GM model at electron-electron colliders and compare them with those at electron-positron colliders.

### 1st preferred time slot for your oral presentation

13:00-15:00 JST (6:00-8:00 CEST, 0:00-2:00 EDT, 21:00-23:00 PDT)

### 2nd preferred time slot for your oral presentation

15:30-17:30 JST (8:30-10:30 CEST, 2:30-4:30 EDT, 23:30-1:30 PDT)

**Primary author:** UEDA, Takahiro (Seikei University)

**Presenter:** UEDA, Takahiro (Seikei University)

**Session Classification:** V: Alternative collider modes

**Track Classification:** Parallel sessions: Alternative: Session V: Alternative collider modes