

## **Session Program**

**4-6 Mar 2025**



**ALEGRO**  
2025 WORKSHOP

ADVANCED  
LINEAR  
COLLIDER  
STUDY GROUP

## **ALEGRO 2025 Workshop**

### ***Working Group***

SLAC, 51/1-102 - Kavli Auditorium

## Tuesday 4 March

14:00

### Working Group: Beam-Beam + MDI+ Detector + Physics, Topic: Physics with primary + beamstrahlung interactions

**Session** | **Location:** SLAC, 48/1-112A/B - Redwood A/B | **Conveners:** Simon Knapen, Thomas Grismayer, Spencer Gessner

14:00–14:15

#### Improved analytic methods for modeling beamstrahlung

**Speaker**

Michael Peskin

15:30

16:00

### Working Group: Physics + Detector, Topic: Physics Benchmarks discussion

**Session** | **Location:** SLAC, 48/1-112A/B - Redwood A/B | **Conveners:** Simon Knapen, Nicole Hartman

16:00–16:15

#### Colorful particle production at a high energy muon collider

**Speaker**

Arthur Wu

16:15–16:30

#### Measuring the triple Higgs coupling a 10 TeV wakefield collider

**Speaker**

Kevin Langhoff

16:30–16:45

#### Searching for new particles at a 10 TeV wakefield collider

**Speaker**

So Chigusa

17:30

## Wednesday 5 March

14:00

### **Working Group: LWFA + Laser Driver, Topic: Laser Driver Technology**

**Session** | **Location:** SLAC, 48/1-112A/B - Redwood A/B | **Conveners:** Leily Kiani, Almantas Galvanauskas

15:30

16:00

### **Working Group: BDS + MDI + Beam-Beam + Detector, Topic: Gamma - Gamma collider**

**Session** | **Location:** SLAC, 48/1-112A/B - Redwood A/B | **Conveners:** Jens Osterhoff, Timothy Barklow

16:00-16:20

#### **Basic physics considerations for a gamma/gamma collider**

**Speaker**

Simon Knapen

16:20-16:50

#### **Gamma Gamma Colliders**

**Speaker**

Timothy Barklow

17:30

## Thursday 6 March

11:00

12:30

### **Working Group: Beam drivers + Particle sources, Topic: Drivers and Sources**

**Session** | **Location:** SLAC, 48/1-112A/B - Redwood A/B | **Conveners:** Siddharth Karkare, John Power