

**Differentiable Signal
Propagation Project: Kick-off**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Project overview: Differentiable physics modeling

Monday, 7 August 2023 18:00 (30 minutes)

Presenters: TERA0, Kazuhiro (SLAC); DE PERIO, Patrick (Kavli IPMU)

Session Classification: Day 1

Contribution ID: 2

Type: **not specified**

LArTPC: differentiable neural implicit representation for physics modeling

Monday, 7 August 2023 18:40 (30 minutes)

Presenter: TSANG, Patrick (SLAC)

Session Classification: Day 1

Contribution ID: 3

Type: **not specified**

Water Cherenkov applications/challenges

Tuesday, 8 August 2023 17:00 (30 minutes)

Presenters: TSUI, Ka Ming (Kavli IPMU); MATSUMOTO, Ryo (Tokyo Institute of Technology)

Session Classification: Day 2

Contribution ID: 4

Type: **not specified**

Alternative methods for signal propagation

Tuesday, 8 August 2023 17:30 (30 minutes)

Session Classification: Day 2

Contribution ID: 5

Type: **not specified**

Brainstorming Session

Tuesday, 8 August 2023 18:10 (1 hour)

Presenters: TERA0, Kazuhiro (SLAC); DE PERIO, Patrick (Kavli IPMU)

Session Classification: Day 2