

Session Program

6-8 Oct 2022



Rare Pion Decay Workshop

UC Santa Cruz, Oct. 6-8 2022

Rare Pion Decay Workshop

Active target, timing and fast electronics

UC Santa Cruz, Cervantes and Velasquez Room
1156 High Street, Santa Cruz, CA, 95064

Thursday 6 October

13:10

Active target, timing and fast electronics

Session | **Location:** UC Santa Cruz, Cervantes and Velasquez Room, 1156 High Street, Santa Cruz, CA, 95064

13:10–13:30 Introduction to the ATAR project and session

Speaker

Simone Michele Mazza

13:30–14:00 High granularity fast silicon sensors for the active target

Speaker

Dr Jennifer Ott

14:00–14:20 Alternative active target design based on traditional silicon devices

Speakers

Xin Qian, Xin Qian

14:20–14:40 Event simulation and reconstruction in the active target

Speaker

Vincent Wai Sum Wong

14:40–15:00 Event reconstruction experience from Lar TPC

Speakers

Chao Zang, Dr Chao Zhang

15:00–15:20 Coffee

15:20–15:50 Fast silicon sensor simulation with TCAD software

Speakers

Mohammad Nizam, Dr Mohammad Nizam

15:50–16:10 Front end electronics and digitization for fast silicon

Speaker

Abraham Seiden

16:10–16:20 Overview of BNL Silicon sensor capability

Speakers

Dr Gabriele Giacomini, Gabriele Giacomini, Gabriele Giacomini

16:20–16:30 BNL approved LDRD related discussion and planning

Speakers

Vladimir Tishchenko, Volodya Tishchenko

16:30–17:00 Conclusions and discussion

Speaker

Simone Michele Mazza

17:10