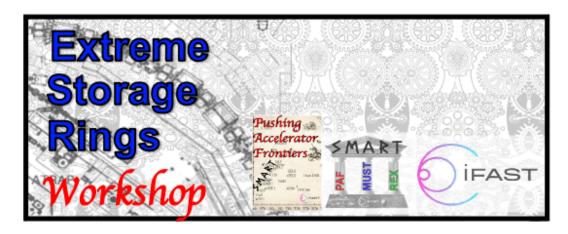**Session Program**

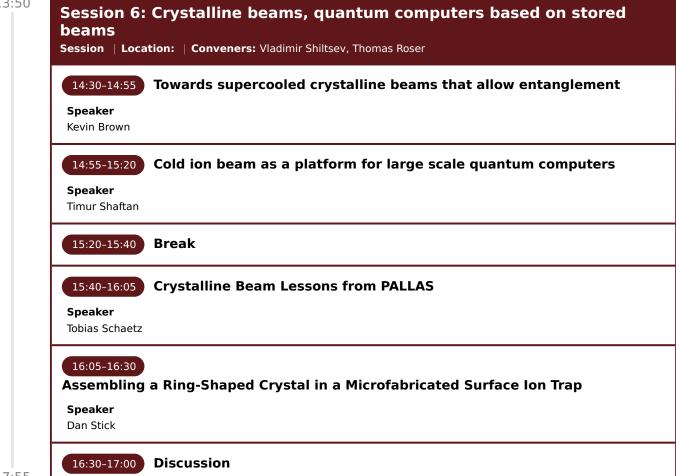**31 January 2022 to 8 February 2022**

"Extreme Storage Rings" Workshop (ESRW22)

Session 6: Crystalline beams, quantum computers based on stored beams

Monday 7 February

13:50

Session 6: Crystalline beams, quantum computers based on stored beams

Session | **Location:** | **Conveners:** Vladimir Shiltsev, Thomas Roser

14:30–14:55 **Towards supercooled crystalline beams that allow entanglement**

Speaker
Kevin Brown

14:55–15:20 **Cold ion beam as a platform for large scale quantum computers**

Speaker
Timur Shaftan

15:20–15:40 **Break**

15:40–16:05 **Crystalline Beam Lessons from PALLAS**

Speaker
Tobias Schaetz

16:05–16:30

Assembling a Ring-Shaped Crystal in a Microfabricated Surface Ion Trap

Speaker
Dan Stick

16:30–17:00 **Discussion**

17:55