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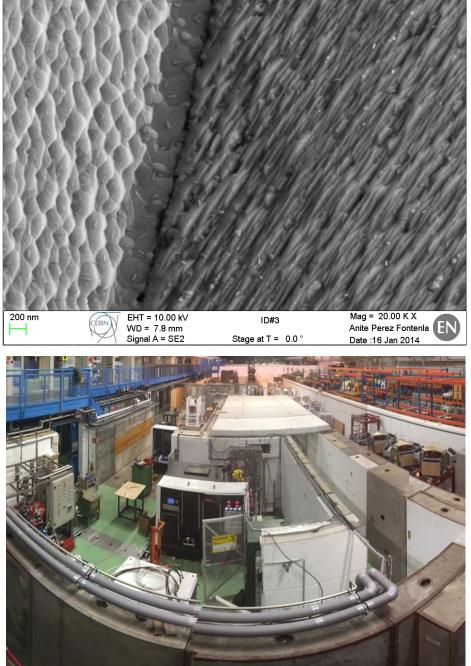
OIST Seminar

<u>Date/Time:</u> Thursday, March 5th, 14:00-15:00 <u>Venue:</u> C016, Floor C, Lab1

Speaker: Dr. Walter Wuensch (CERN)

<u>Title:</u> Introduction to the CLIC linear collider study and associated development of highgradient accelerating structures

<u>Abstract:</u> The CLIC collaboration is studying the design of a TeV-range electronpositron linear collider and developing key technology for it. I will give an overview for the motivation for CLIC, introduce the accelerator concept and then go on describe the development of high-gradient accelerating structures - which have a very strong influence on both performance and cost of the whole machine. The accelerating structures are in turn limited by vacuum breakdown and I will finish by describing research into the fundamental physics and material science of metal surfaces under high fields.



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