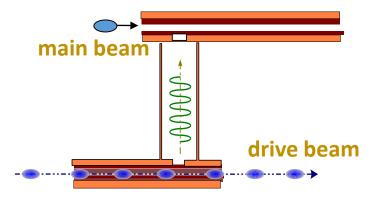
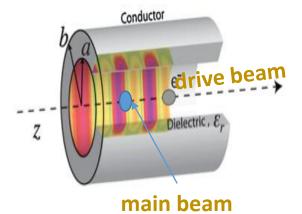
ALEGRO WG6 (Structure Wakefield Acceleration)

Philippe Piot & John Power



Alexei Lyapin Francois Lemery Yuri Saveliev Levi Schachter Sergey Shchelkunov Vasili Tsakanov Dan Wang Igor Zagorodnov

10 core members



Agenda

WG session 1 (Tues 9:00am-10:15am) Introduction + Strategies

9:00-9:45 Introduction, goals of the workshopDiscussion9:45-10-15 Strategies toward a SWFA colliderDiscussion

WG session 2 (Tues 10:30am-11:45am) Accelerating structures

10:45-11:00 Dielectric Wakefield Resonator Accelerator, Sergey Shchelkunov
11:00-11:15 PASER, Levi Schachter
11:15-11:30 New structure design at AREAL, Vasili Tsakanov
11:30-11:45 A dielectric disk structure for improved the efficiency, John Power

WG session 3 (Tues 1:00pm - 3:00pm) [joint WG3+WG6+WG7] Simulations tools

13:00-13:30 SWFA 'State-of-the-art and Future needs', Philippe Piot 13:30-14:00 DLA 'State-of-the-art and Future needs', Cowan & Niedermeyer 14:00-15:00 Simulation Similarities and Differences between DLA and SWFA, Jorge Vieira

WG session 4 (Tues 3:30pm - 6:00pm) Drive bunch Physics

15:30-16:00 ECHO, Igor Zagorodnov
16:00-16:20 Shaping via Emittance Exchange John Power
16:20-16:40 shaping simulation + some experiment at PITZ Francois Lemery
16:40-17:00 DWFA experiment at LUCX Alexei Lyapin
17:00-17:20 Dielectric Wakefield R&D programme at Daresbury lab Yuri Saveliev
17:20-17:40 Phase mapping with two-beam interferometry method in DWA Dan Wang
17:40-18:00 Discusion

WG session 5 (Wed 10:45am-12:15pm) Opportunities for collaboration & facilities

10:45-10:55 Facility: Yale Accelerator (Sergey Shchelkunov); Daresbury (Yuri Saveliev), DESY, Sinbade (Francois Lemery; TTX (Dan Wang); LUCX in Japan (Alexey Lyapin), CERN Candle (?), AWA at Argonne (John Power), FAST at FNAL (Philippe Piot) AREAL Vasili Tsakanov, FACET (?); ATF (?)

WG session 6 (Wed 1:30pm - 3:30pm) Witness-bunch Physics

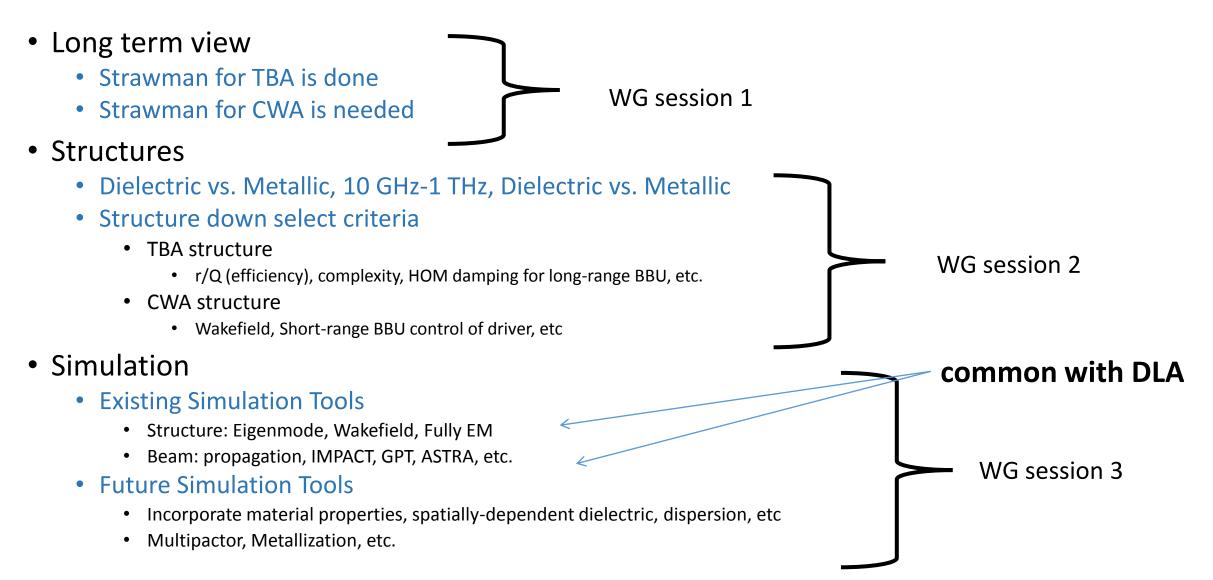
1:30-2:300:35positron and electron emittancedis2:30-3:301:00positron and electron shapingdis

discussion discussion

WG session 7 (Wed 4:00pm - 6:00pm) Discussion on report write-up

4:00-6:00 Summaries of WG & Writeup

Strategy of WG6 Chapter for ESGG Document



Strategy of WG6 Chapter for ESGG Document

