

CCR Kickoff

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CCR Introductions

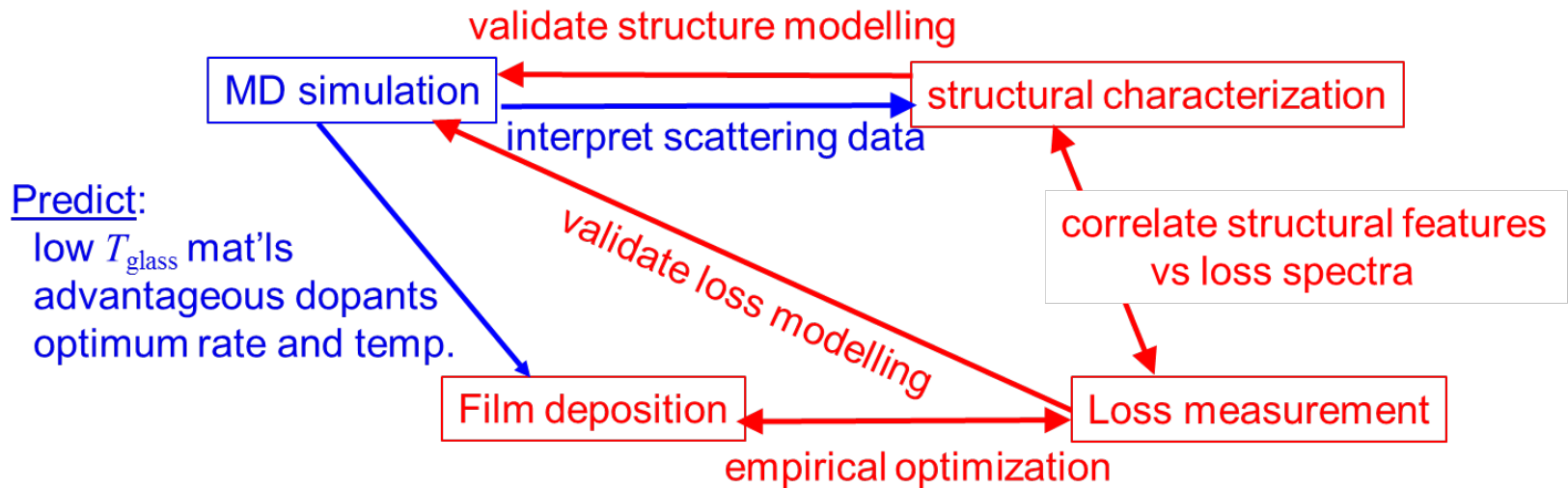
- CCR Members
 - Stanford: PI MMF, person doing the work: R Bassiri
 - U Florida: Hai-Ping Cheng; atomic structure modeling
 - Colorado State: C. Menoni; IBS deposition
 - UC Berkeley: F. Hellman; CMP perspectives, thermal evaporation
 - Syracuse U + H&WS: S. Ballmer, S. Penn; elastic loss
 - American U: G. Harry; crystalline coatings characterization
 - UC Fullerton: G. Lovelace, J. Smith; modeling xtal coatings, scatter
 - CSLA: R. DeSalvo, scatter phenomena; nanolayers
 - Whitman C: G. Ogin; thermooptic properties
- GW community participants
 - LIGO Lab: E. Gustafson, R. Adhikari, G. Billingsley, G. Vajente
 - Strathclyde U: S. Reid
 - LMA: G. Cagnoli, M. Granata, ...
- Industry
 - CMS: G. Cole
 - MLD: R. Shimshock

CCR Management

- Directorate
 - PI: MMF
 - responsible person: R. Bassiri
- Group leaders
 - deposition: C. Menoni
 - macroscopic characterization: S. Penn
 - modeling and atomic structure characterization: H-P Cheng
- Advisory Board
 - LSC Optics WG Chair: Iain Martin
 - LSC Coatings WG Chair: S. Penn
 - LIGO Lab Liaison: E. Gustafson
 - CCR PI member: S. Ballmer
 - LSC member-at-large: S. Reid

Goals

- Define A+ and Voyager target performance
- Agree on long-term strategy for A+
 - short term tactics



- Approaches to reaching Voyager performance
 - crystalline coatings
 - a-SI
 - MMC
 - ...

CCR Kickoff Agenda

09:00 – 09:30 Breakfast and Welcome – M. Fejer

09:30 – 10:20 Coatings: LIGO Lab Perspective, A+ and Voyager – R. Adhikari

10:20 – 11:10 Ultrastable Glasses – F. Hellman

11:10 – 11:30 Break

11:30 – 12:20 IBS Coating Deposition – C. Menoni

12:20 – 13:10 Modelling/atomic structure – H.-P. Cheng + R. Bassiri

13:10 – 14:30 Lunch

14:30 – 15:30 Macroscopic characterization – S. Penn (40 min talk)

15:30 – 16:00 Research strategy and planning discussion – Part I

16:00 – 16:20 Break

16:20 – 18:00 Research strategy and planning discussion – Part 2

(includes management discussion, last ~ 30 mins)

19:00 Dinner