

BDS meeting goals (& issues)

- Primary goal is review priorities for BDS lattice work and current progress.
- Attempt to set required timelines for 'decisions' on fixing key baseline parameters
 - ▶ Tunnel length
 - ▶ Allowed crossing angle(s)
- First-pass review of know possible CRs for the BDS
 - ▶ In particular, preparing single L^* request for MDI meeting
 - ▶ Dealing with L^* confusion (see next slide!)

L* confusion

- Current baseline L* are 3.5m / 4.5m for SiD/ILD respectively
- Our proposal for ILC is to 'harmonise' these to one value
 - ▶ i.e. something like 4m (average).
 - ▶ For FFS design shorter generally means easier.
- CERN BDS group appears to be interpreting this as a request for 6-8 (even 9!) metres.
 - ▶ CLID technology, moving FD completely out of detector
- Some confusion out there that needs correction.
- Therefore: important to try and set 'design envelope' to which these somewhat independent teams can work to
 - ▶ I.e. independent of the baseline work under Glen.
 - ▶ Set scope of work that needs to be done before a CR can be considered.

LCWS (ADI)

- **Priority: overall tunnel length**
 - ▶ Positron source global timing (task force report)
 - ▶ Known CRs affecting lattice length (e.g. BDS)
 - ▶ Planning for “lattice reviews” (setting scope)
- **Main Linac Shielding Wall (and other shielding)**
 - ▶ Machine failure modes (machine wide)
 - ▶ Implications for beam loss and personnel safety
 - ▶ Proposing ‘worst-case credible event’
- **Other**
 - ▶ More general CR register review (prioritisation for phase of work)
- **Proposal is to have one ILC ADI plenary session to cover these topics**
 - ▶ 1/2 day?