

A 3D cutaway diagram of a particle detector, likely a silicon tracker. The detector is shown in a perspective view, revealing its internal structure. The outer shell is light blue. Inside, there are several layers of silicon detectors, colored in shades of green and yellow. A central cylindrical structure, possibly a beam pipe, is visible, with a series of purple and blue rings or segments around it. Two red arrows point to specific features on the inner structure.

# Introduction & Workshop Goals

J. List

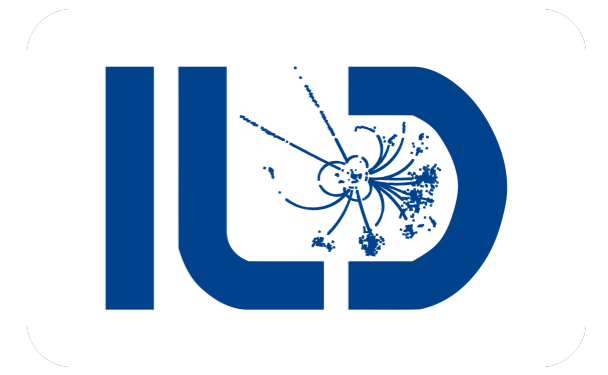
ILD Software & Analysis Meeting

KEK

Feb 18 2018

# Introduction

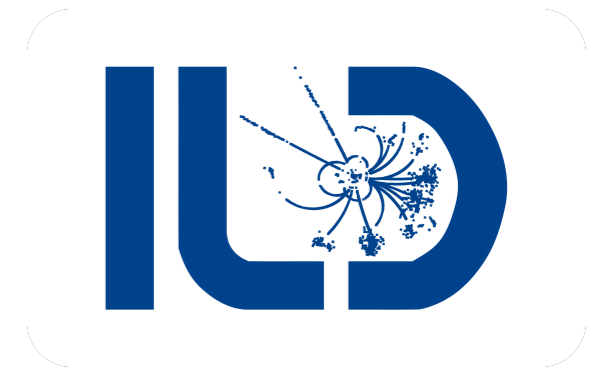
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- ILC 250 GeV Physics Case has been well established (based on DBD samples)  
=> revealed limitations due to (high-level) reconstruction
- in parallel:
  - major re-write of ILD simulation & reconstruction
  - including new features like eg  $dE/dx$
  - making Whizard2 usable for ILC  
=> testing and bug fixing ongoing

# ILD Goals for 2018

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- write a major document on detector design, performance and physics highlights by the end of 2018 (input to European Strategy)
- => shift focus of analyses from pure physics case (on DBD samples) to detector performance optimisation using new software
- => finalise new software chain & MC production tools
- => significant effort to address known limitations of high level reconstruction



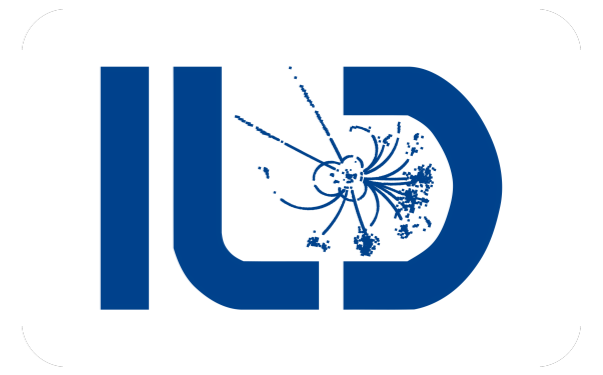
# Goals of this meeting

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- bring together the people working on software & analyses
- review status of software & MC production chain  
=> fix remaining issues
- review status of high-level reconstruction / analysis-level tools  
=> what can be achieved within our time and person-power constraints?
- review ongoing analysis efforts
- how do we want to measure & present ILD performance?
- discuss our view on what should go into ILD document  
=> preparation for main ILD Meeting Tue-Thu

# This meeting

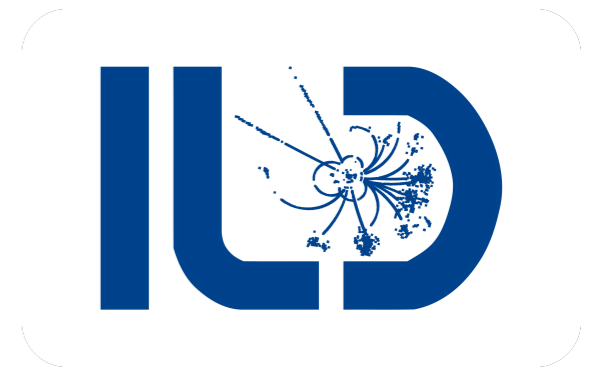
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- will be working-level
- has an indicative agenda only, will be adjusted as needed
- today we'll have lunch boxes and dinner (for those who signed-up, self-pay)
- tomorrow will finish in time to catch Tsukuba Express at 15:55 from Tsukuba station

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**Have Fun!**