

# PXD Installation Scenarios

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**A:** have both L1 half shells at KEK by mid June and install all L2 ladders there

- availability of technicians and of clean working space at KEK

**A':** have both L1 half shells at KEK by mid June with some L2 ladders already mounted. Rest to be installed at KEK

- availability of technicians and of clean working space at KEK

**A'':** in case we can't solve the L2 glueing issue in time: install L2 modules

- availability of technicians and of clean working space at KEK
- unclear impact on performance (acceptance, alignment, vibrations etc.)

**B:** send only one L1 half shell to KEK by mid June and continue to work on second half shell in Germany

- need test equipment in Germany and at KEK at the same time
- + more flexible, can work in parallel, easier access to technicians

**C:** finish both half shells in Germany and arrive at KEK a few weeks later

- impact on schedule
- + availability of technicians
- + better ability to react to unforeseen problems

**Z:** de-scoping scenario: install PXD L1 only

- significant performance degradation: need to quantify with MC study!
- very bad for our reputation; unclear when next chance to install L2
- + gain time, more relaxed space requirements → installation less demanding