We should aim for sufficient studies of direct new particle search based on ILD detector simulation for the "staging" option

Direct searched at √s = 250 GeV

√s = 250 GeV@ILC has far more luminosity than √s=208 GeV@LEP ➔ there is room for large improvement
(see LEP SUSY limits (http://pdg.lbl.gov/2016/listings/rpp2016-list-supersymmetric-part-searches.pdf)

- Dark matter particles (WIMP, Mono-photon search)
- Not much left to be done for natural SUSY (Higgsinos) ?
  (benchmark [$M_\chi \sim 100$ GeV, $\Delta M \sim 20$ GeV] excluded by LHC searches)

Direct searches at √s = 350 GeV *350 GeV under-estimated until now (?)*

- Higgsinos ($\Delta M < \sim 10$ GeV)
- Dark matter particles
- Extra spin-less bosons

JHEPC has set up a sub-committee to investigate the staging.
Progress report in March 18 at the JPS meeting, **final report expected in May**
need to begin taking actions in order to **provide results in a timely manner**

Please let us know of your opinions (work force, proposal for topics, etc…)

Ref: https://agenda.linearcollider.org/event/7540/contributions/38546/attachments/31279/47005/20170307fujiik.pdf