

# ILC study meeting

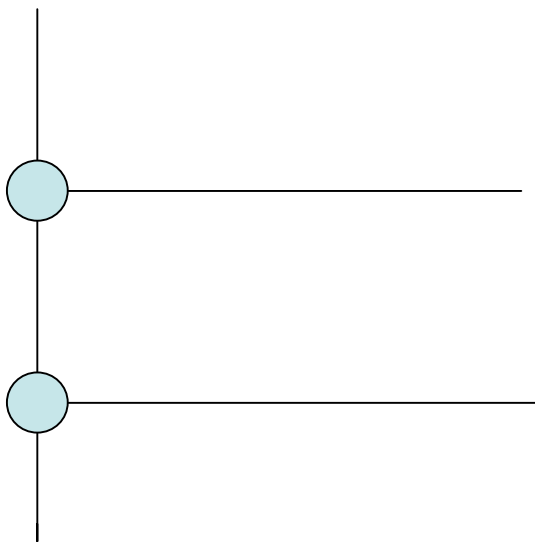
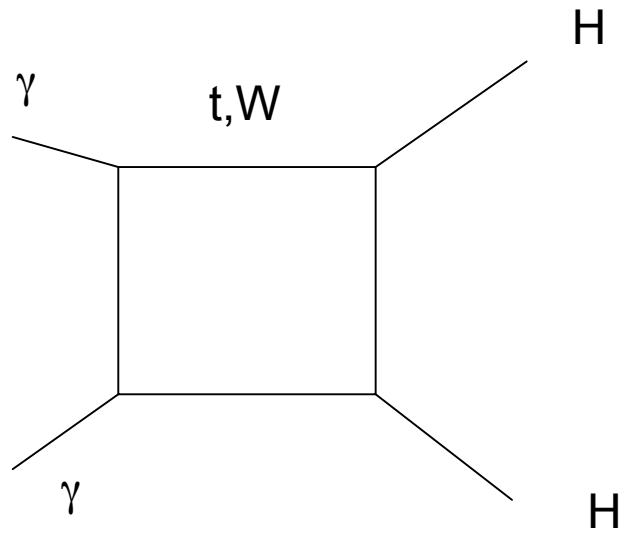
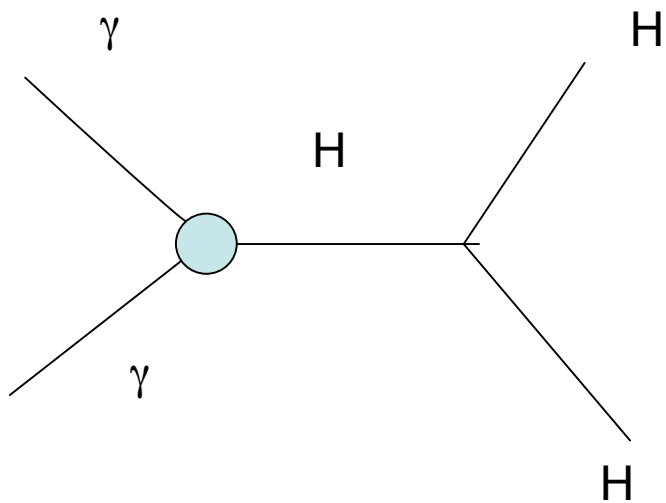
2007.6.23, 13:30-18:30

At KEK

# Process list

- Higgs (Fujii, Yoshioka, Y. Okada)
  - (1)  $ee \rightarrow ZHH$  at  $m_H = 160$  GeV  $E_{cm} = 500$  GeV  
(tool OK), Takubo\* + Ito + Daniel
  - (2)  $ee \rightarrow ttH$  at  $m_H = 120 - 200$  GeV,  $E_{cm} > 500$  GeV  
Theoretical, simulation study, tool. Uozumi + Ide (Shinshu) + Ishikawa; Fujii\* + Sumino.
  - (3)  $\gamma\gamma \rightarrow HH$  at  $m_H = 120 - 200$  GeV,  $E_{cm} < 500$  GeV.  
Theoretical work,  $\Rightarrow$  simulation. Kanemura\* + Asakawa
  - (4)  $m_H > 160$  GeV, basic properties. mass, width, JPC (previous works). Experimental study. Ono\*  
 $\Rightarrow$  full simulation

$\gamma\gamma \rightarrow HH$



(small)

# SUSY, etc

- SUSY Hidden sector scalar. (Itoh)  
On going simulation study. Yoshioka
- Asakawa, Kanumura, on-going theoretical study.  
=> Simulation study (later)
- Fujii->Tohoku  
(Moroi+Sumino+Takubo, Ito, Yamomoto)

# Future plan

- Self-organization within subgroups.  
\*contact person.
- Next general meeting (end of August-September)