

# Invisible Higgs in ttH channel

- Nothing really new to report
  - Note from Freiburg?
  - Going back to analysis after 20<sup>th</sup> August
- Data sample list now more complete and being produced
  - 5348, 6382, 6383, 6384 done
  - 6355, 6885 waiting

<u>Process</u>	<u>Run number</u>	<u>Generator</u>	<u>Filter</u>	<u>Nr.ev.</u>	<u>Comments</u>
ttH,H->inv	5348	Pythia 6.4	H->invisible own filter 1lepton pt>10GeV,eta<2.7	10k	m(H)=120GeV forced decay H->ZZ*->4nu
ttH,H->inv	6882	Pythia 6.4	H->invisible own filter 1lepton pt>10GeV,eta<2.7	10k	m(H)=130GeV forced decay H->ZZ*->4nu
ttH,H->inv	6883	Pythia 6.4	H->invisible own filter 1lepton pt>10GeV,eta<2.7	10k	m(H)=115GeV forced decay H->ZZ*->4nu
ttH,H->inv	6884	Pythia 6.4	no filter	10k	m(H)=130GeV; forced decay H->ZZ*->4nu
ttZ, Z->nunu	6355	<a href="#">AcerMC</a> +Pythia	no filter	10k	main irreducible background
ttW, W->lnu	6885	<a href="#">AcerMC</a> +Pythia	no filter	15k	irreducible background