

Higgs Branching ratio study

ILC physics and software meeting

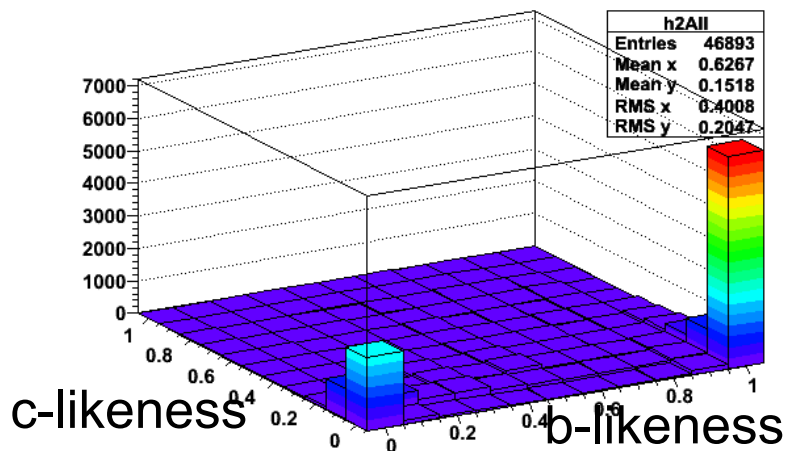
Jul. 01. 2011

H. Ono (NDU)

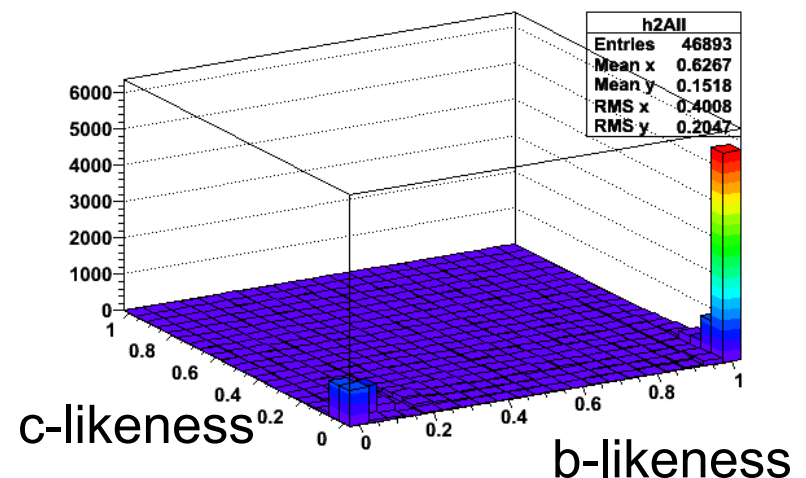
Current status

- Writing paper to publish
 - Try to finalize in last month, but not yet finalize.
 - Final results consistency check
 - Binning dependence of template fitting evaluation looks some mistake → Correcting this point

N bins=10

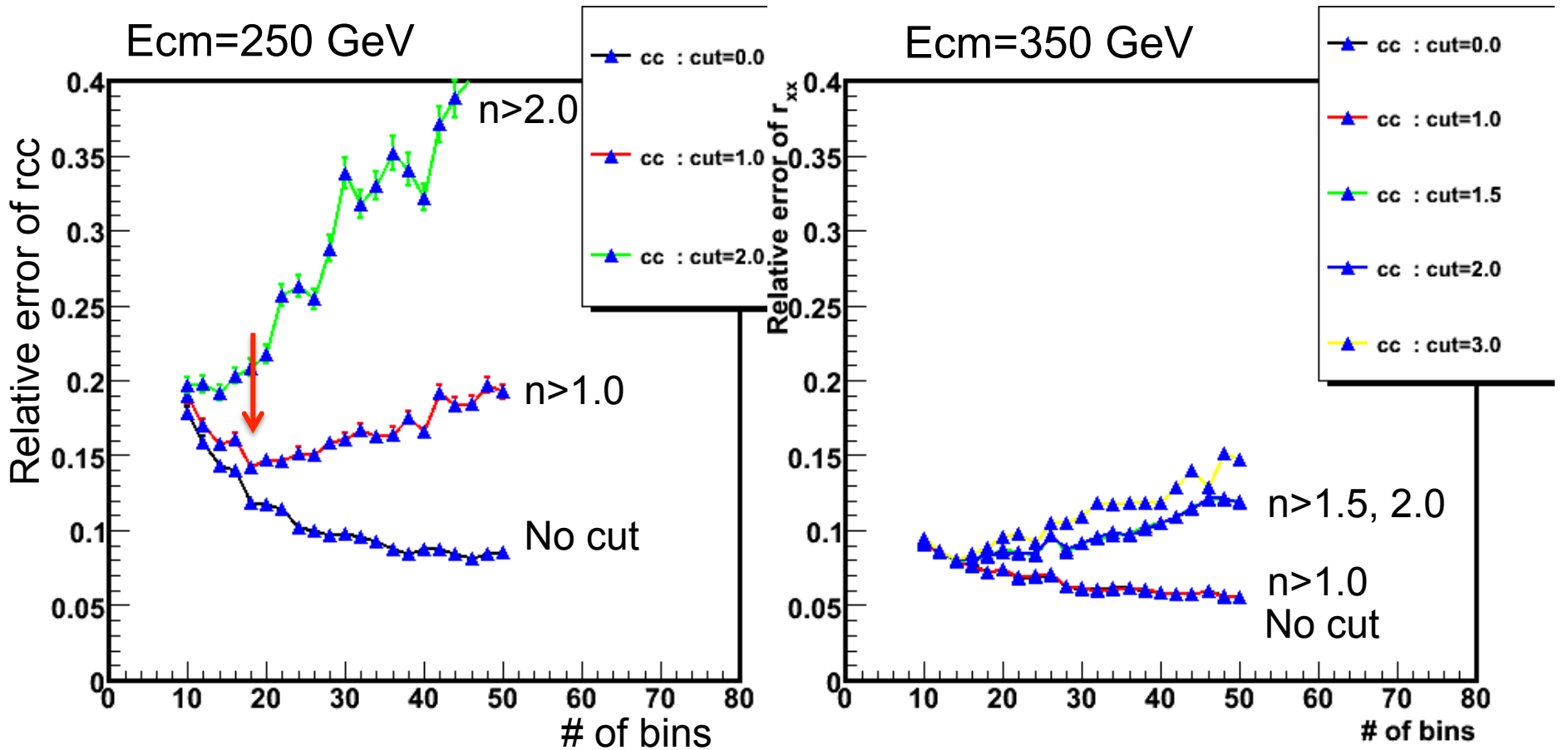


N bins=20



vvH template fitting binning dependence

Template sample binning dependence

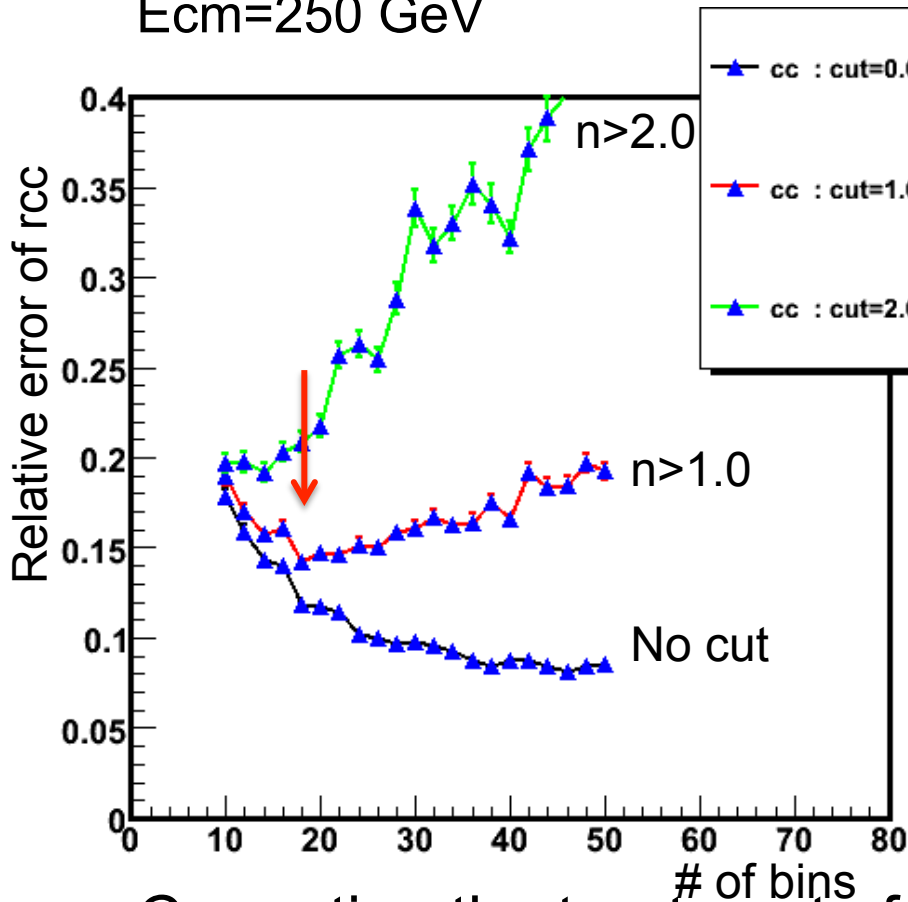


n cut = 0.0 and 1.0 makes almost same results

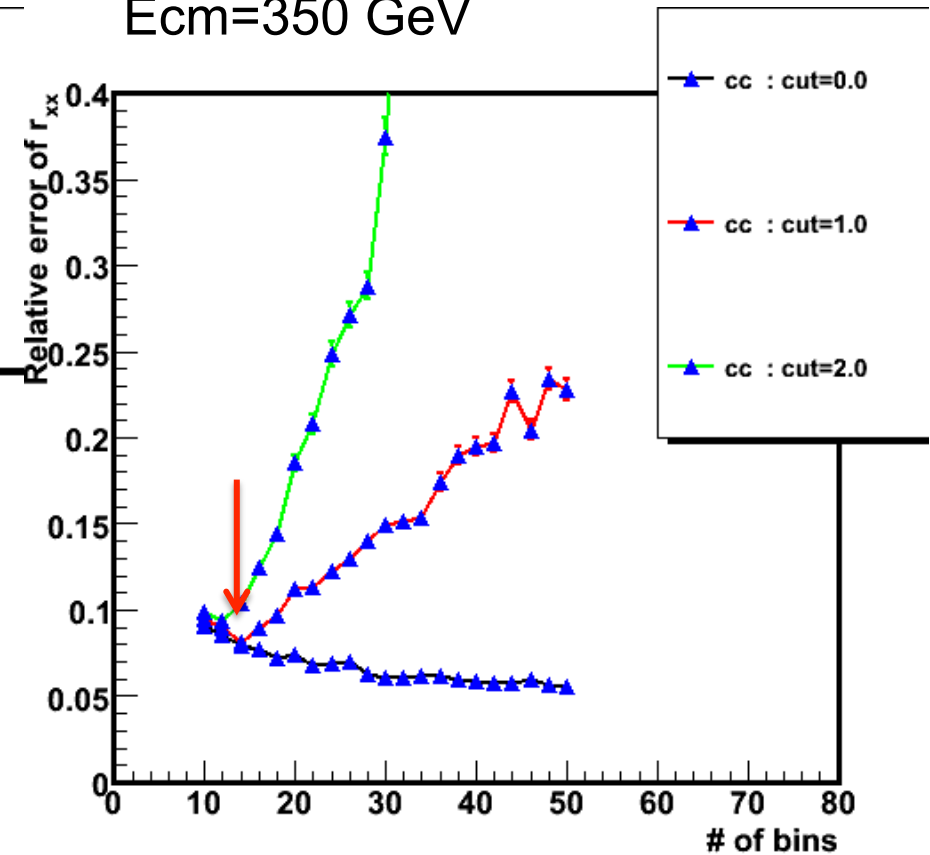
Correct the low statistics treatment

Template sample binning dependence

$E_{cm}=250$ GeV



$E_{cm}=350$ GeV



Correcting the treatment of the template sample statistics