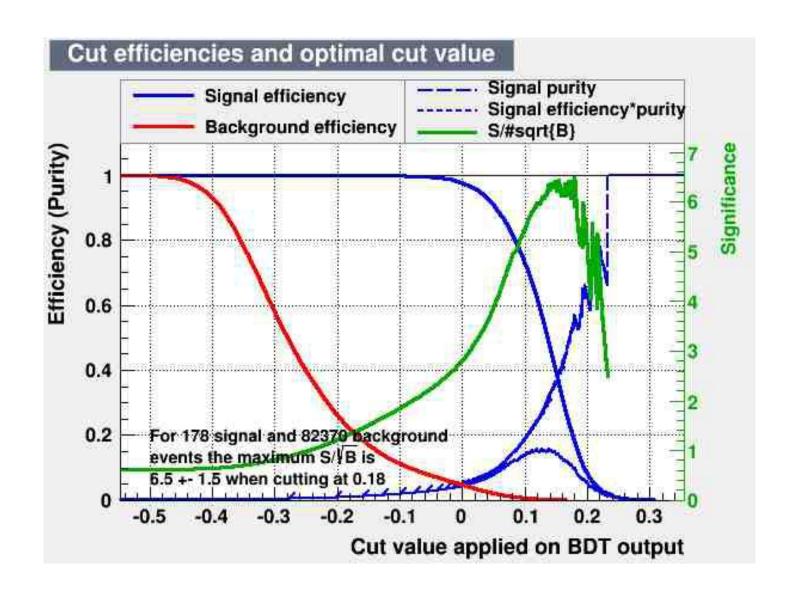
Updata on 2HDM analysis

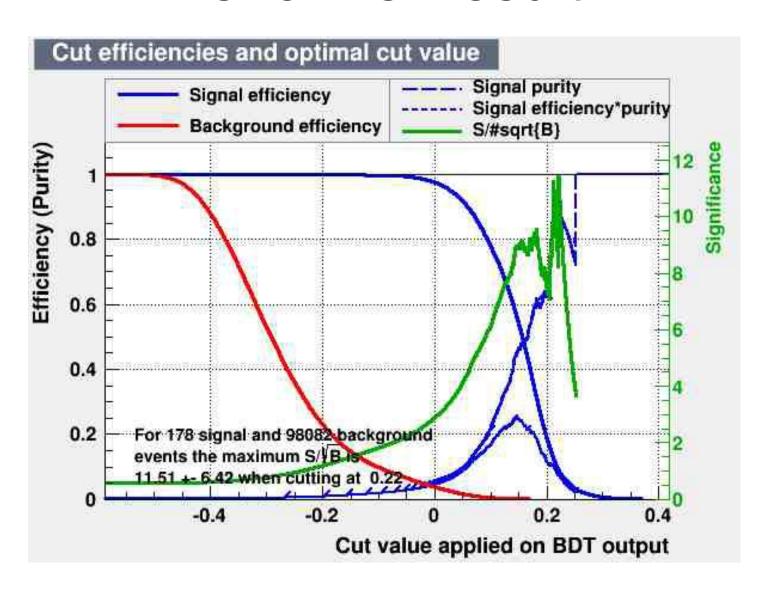
Maosen Zhou 14/05/2014

input variables

- maa,mbb,delRa1b1,delRa1b0,delRa0b0,delRa0b0,delRaadelRbb,PTa1st,PTa2nd,PTb1st,PTb2nd
 to save statistics,discard mbbaa
- until now,12 million (after matching)more bg samples are generated ,plus 6.5 million before →18.5 million bg samples for analysis almost 8 million still running
- Nevents after events selection for BDT
 - > testing: 10 thousand for sig, 50 thousand for bg
- > training:10 thousand for sig, 230 thousand for bg slection efficiency: 18% for sig, 1.5% for bg

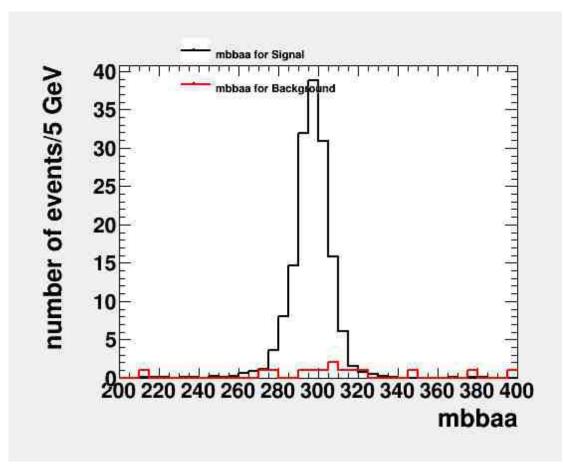


vs former result



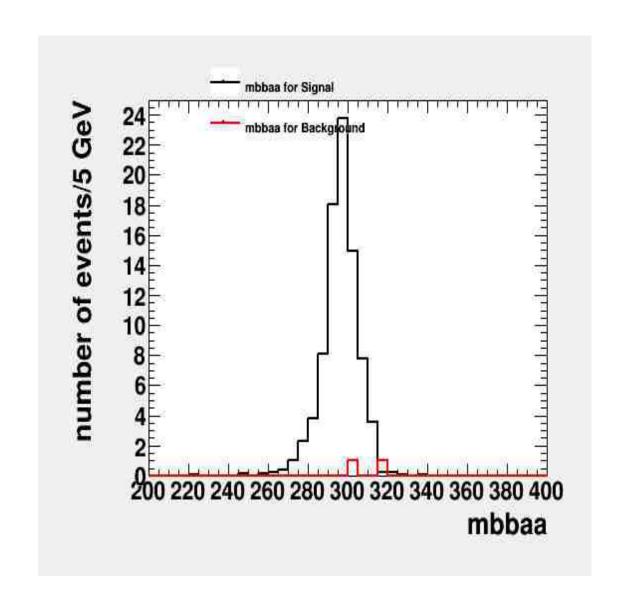
BDT application:plot testing

 after BDT cuts, 18% sig and 14 events of 50 thousand for bg left



vs former

• 2 events



sth to report

- graduation paper: draft version is almost done
- maybe leave on this sunday?how do you think?