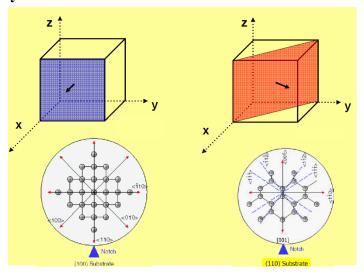
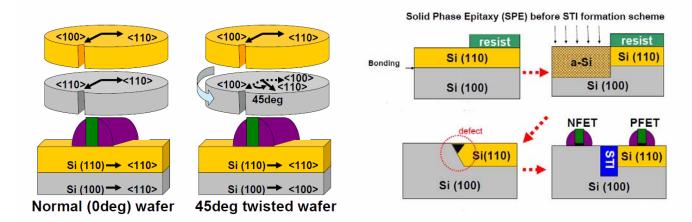
# **Appendix**

#### 1. Two silicon crystal face

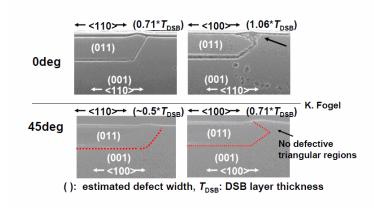


## 2. Two types DSB wafer

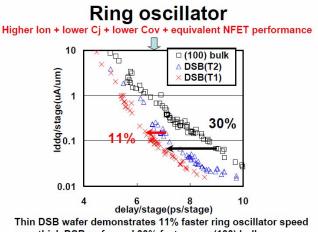
## 3. Process Flow of DSB wafer fabrication



#### 4. Cross section of defection



#### 5. Improve of Ring Oscillator



over thick DSB wafer and 30% faster over (100) bulk