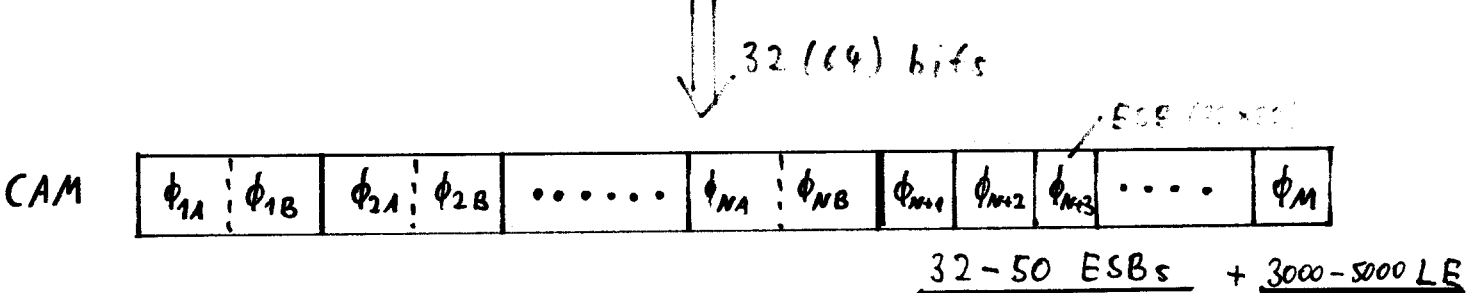
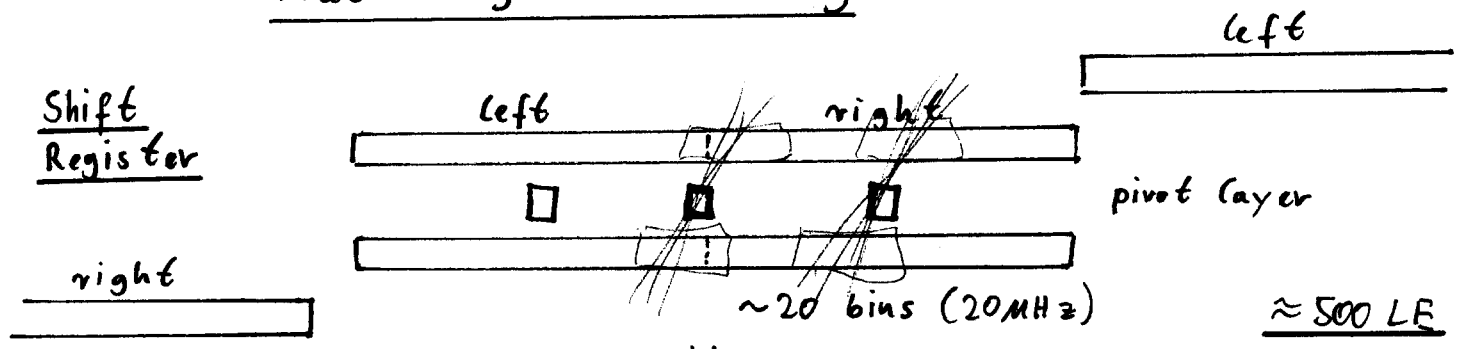
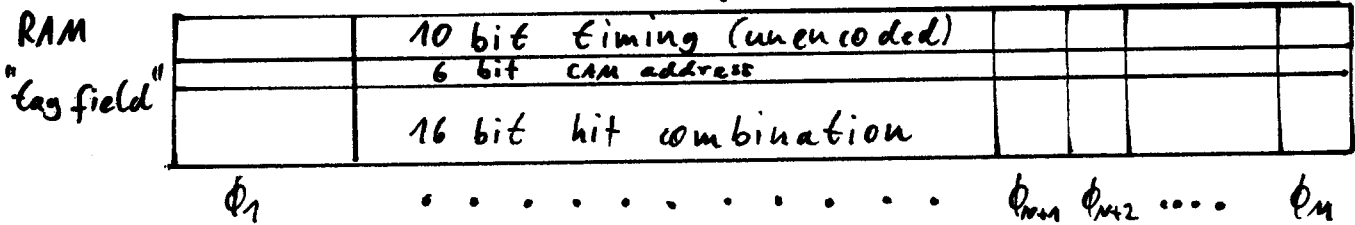


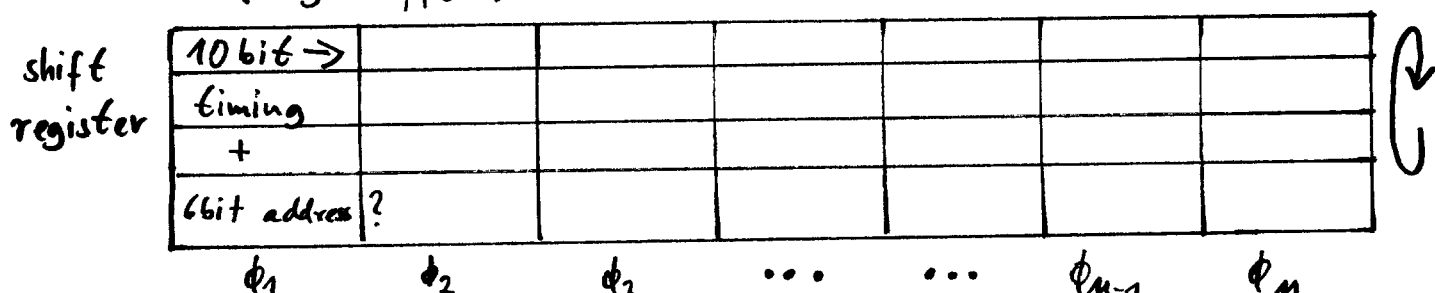
# Track Segment Finding



parallel: multiple match mode (80 MHz)  
 up to 2 matches per  $\phi_i$



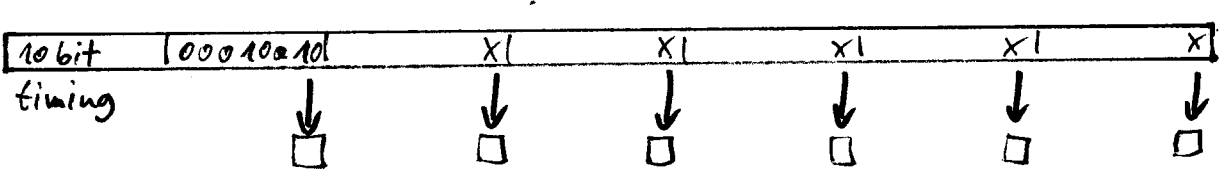
parallel output buffering (ring buffer)



- overwrite mode!  
 > 4 matches within 10 BC  
 in same  $\phi_i$

Logic elements  $(20+6) \cdot 4 \cdot 32 = 3300$

L1 trigger: parallel OR



parallel L1 bits for  $\alpha-\phi$  histo  
 ⇒ L1 trigger card