Multiple banks in ftksim

• **Last week:** changes to accommodate 2\textsuperscript{nd} SS bank shifted by 1/2-SS

• **This week:** changes to support two simultaneous independent runs with:
  - Different # layers and bank configurations
  - Different chi2 & other fit parameters

• **Ftksim will be able to do in one go:**
  - Pattern recognition & fitting with SCT 8L
  - Pattern recognition & fitting with (3+3)L
  - Employ ½ SS -shifted banks in each case
Changes overview

• Unfortunately, >3000 lines of changes:-(

• Added array index [NGROUPS1] to:
  - All maps
  - All hit structures
  - All pattern/constant banks
  - All AM intermediate structures
  - Fitted tracks list

• Added array index [NGROUPS2] to:
  - AM bank structures and road-related fits
  - This is just for the case of ½ SS shifted banks
Plans & concerns

• This work is not finished yet [ classes:-( ]
• I will finish infrastructure, but won't code specific changes for Constantinos's case
• Will then focus on my study (½ SS shift)
• What is the status of Guido's 3-prog port?
  – Is Guido doing something similar already?
  – Or will I be able to port changes to new ver.?