

TPC BAD CHANNEL SEARCH UPDATE

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- **Database Table was created with the name of TPCBadChan**
- **Database columns are :**
 - badstick
 - badpad
 - reason, and usual things(runnummin etc..)
- **Each stick covers two half-padrows, the numbers 0:127 are defined in this way:**
 - pad columns less than 60 are even
 - pad columns greater or equal to 60 are even
- **'reason' 1 for hot pads and 'reason' 0 for dead pads**
- **If entire stick is hot or dead, -1 was put for the 'badpad' number**
- **If entire stick is not hot or dead, 'badpad' can be from 0 to 119 according to the pad numbering scheme**

HOW TABLE LOOKS LIKE

Table "development.tpcbadchan"

Column	Type	Modifiers
badstick	integer[]	
badpad	integer[]	
reason	integer[]	
runnummin	integer	
runnummax	integer	
subrunmin	integer	
subrunmax	integer	
loadtimegmt	timestamp without time zone	

Columns badstick, badpad, and reason are vector arrays

- **Searching bad pads will be done subrun by subrun**
- **Next step is to put bad pads into database for all subruns**
- **Dead pads were defined if the occupancy of the pads were below 0.001**
- **Hot pads were defined if the occupancy of the pads were above 40 (each pad has 160 time buckets)**