Status of of TOF/VETO/BTS

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name	distance to IP	PM channels	Trigger elements IA, BG, GL	Banks online,online, offline
PTOF	5.3m	4 channels	67, 68, 69	CRPE, BRTE,TOFT
FIT	2.7m	8 channels	65, 66, 67	CRPE, BRTE,TOFT
FTi2	$\sim$ 2.5m	32 channels	71	CRPE, TOFT
FTi1	$\sim$ 1.5m	-		
STOF	$\sim$ -2.5m	8 channels	131, 132, 133	CRPE, BRTE,TOFT
BTOF	-3.3m	4 channels	128, 129, 130	CRPE, BRTE,TOFT
LVETO	-6.5m	22 channels	124, 125, 126	VETE
BTS -6	$\sim$-6m	2 channels	120, 127, 123	VETE
BTS -8	$\sim$-8m	2 channels	120, 127, 123	VETE

- **CRPE** – FTDC timing (individual channel)
- **BRTE, VETE** – gated hit patterns (coincidences)
- **TOFT** – reconstructed time and corresponding trigger window per channel
- **additional information** – online TDC histograms (from TOF Mac), L4 histograms

The system is operational. No big problem during the last months.

- **Calibration constants (FTDC $\longrightarrow$ nsec) for TOF counters are calculated, TOFC bank is updated (A.Hovhannisyan)**
- **Efficiencies of TOF counters are calculated:**
  FIT – 97-99% (2 out of 8 channels are dead),
  PTOF – 83-84%
  BTOF – 90-97%
  STOF – 60-70% (wall 1)
  70-80% (wall 2)

Backward Tagging System (BTS)

- **2 pairs of scintillator counters:**
  $35 \times 50cm^2$ **at** $-6m$ **and** $12.5 \times 22.5cm^2$ **at** $-8m$
- **purpose– background study**
  installed 6.11.2002, in readout since 14.11.2002
- **Trigger elements (BTS-6 || BTS-8): 120,127,123 - (IA,BG,GL)**
  Individual hit patterns (VETE bank):
  BTS-6 IA,BG,GL and BTS-8 IA,BG,GL

Future plans

- **New (unified) TOF/VETO Readout**
- **New (large) Backward TOF**