

L0TriggerPileup

- **Requirement:**

- **Plug-in** : must be invariant wrt both environments, SICB++ and LVx (vertex detector testbeam software):
 - a) *Detector constants* (alignment, strip mapping etc.) are set inside object. They determine L0TriggerPileup behavior;
 - b) *Digitized Data* are referenced inside as well;

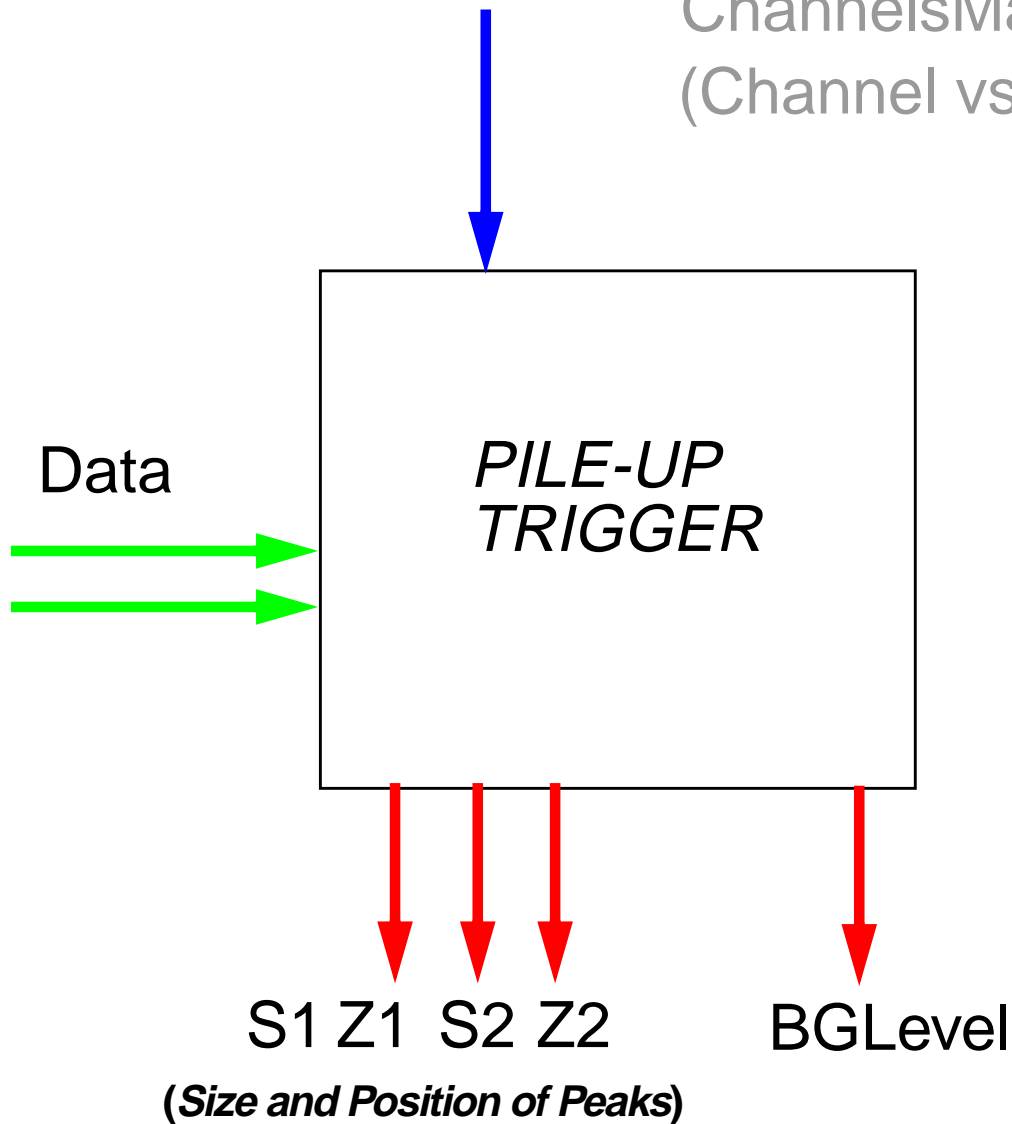
- **Tasks (study topics):**

- **Algorithm performance** (efficiency wrt data samples, resolution)
- **Hardware performance** (decision latency at every step and of system as a whole, different implementation)

- **Question:**

- How this object should interact with environment?
 - a) Requirements from HighLevelObjects ;
- Steering.
 - a) SICB used supervisory. Good for physics study
 - b) DAQ and pile-up study needs monitoring of processes. Specific tasks such as TOF problem also (?) require monitoring.

DetectorConstants : Z of detectors
N of sectors
ChannelsMap
(Channel vs Pos)



Npeaks

