

# Status of KAGRA detector characterization

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- **Our current activities are mainly concentrated into three.**
  - **Building detchar system**
    - **The system is being implemented in a digital system provided by DGS.**
    - **We will use DTT, DMT.**
    - **Newly developed software will be easily shared with other collaborations. eg. ANN by KGWG**
  - **Check existing monitor software and developing new ones**
  - **Detchar channel selection (Agatsuma, Kokeyama)**
    - **Which channels are needed for building “glitch-free interferometer”.**
- **K-detchar group is developing a new multivariate classification of glitches: artificial neural network(ANN) which will be useful for noise identification.**

**(J. Oh, S. Oh)**

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