

KAGRA data analysis

Elements of the KAGRA data analysis :

- Research on the methods
- Pipeline development
- Analysis of real data
- Physical/astrophysical results

KAGRA pipeline

(i) KAGRA will have its own pipelines

how much software packages do we develop by ourselves ?

(ii) At the same time, we will use the existing packages of LSC

how do we use or import the packages of LSC ?

how do we merge this with (i) ?

(iii) These will depend on the target sources (CBC, burst, CW, SW)

Collaboration of Japan and Korea on the data analysis

- How we establish the collaboration for the KAGRA data analysis
 - Research on the methods
 - Pipeline development
 - Analysis of real data
 - Physical/astrophysical results
- } Current subjects

Possible collaboration theme:

- Markov chain Monte Carlo methods for parameter estimation
- Multivariate Characterization of noise
- Electromagnetic follow-ups
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We need to discuss more on these subjects.