

PEM task :

- PEM installation
- PEM performance check
- New PEM development
- PEM management
- PEM monitoring
- Alert system using PEM
- PEM injection
- PEM study
- PEM group management

The detail is written below:

PEM installation : Data acquisition, Cabling, set electrical box, set PEMs, ...

PEM performance check : Sensor noise, ADC noise, stability, ...

New PEM development : Tiltmeter, accelerometer in vacuum and cryogenic, Newtonian noise, TOBA, optical and photonic sensor, ...

Alert system using PEM(DetChar) : Earthquake, microseismic, lightening, ...

Alert system using PEM(FCL) : Vacuum, temperature, humidity, ...

Task

PEM installation

PEM performance check

New PEM development

PEM management : PEM web page

PEM management : PEM medm screen

PEM management : Google spread sheet

PEM management : Weather report

PEM management : New management tool

PEM monitoring : Slow Environmental Monitoring(SEM)

PEM monitoring : Daily summary PEM page

PEM monitoring : Spectrum check

PEM monitoring : Pastavi
PEM monitoring : New monitoring tool
Alert system using PEM : DetChar
Alert system using PEM : FCL and safety
PEM injection : Acoustic injection
PEM injection : Magnetic injection
PEM injection : Hammering test
PEM injection : RF injection
PEM injection : New injection idea
PEM injection : Noise budget
PEM injection : feedforward suppression
PEM injection : Analysis tool, new analysis
PEM study : Glitch identification
PEM study : Line noise investigation
PEM study : Lock loss study
PEM study : Data quality report
PEM study : Offline subtraction
PEM study : Mechanical vibration noise
PEM study : Portable PEM
PEM study : IFO noise evaluation
PEM study : Auxiliary monitor noise evaluation
PEM study : Seismic noise and underground motion
PEM study : Water fluid
PEM study : Newtonian noise
PEM study : Acoustic noise including infrasound
PEM study : Magnetic noises
PEM study : Lightening and its monitoring system
PEM study : Schumann noise and its data acquisition
PEM study : electrical/ground noise
PEM study : residual gas effect with its monitoring
PEM study : Radio Frequency noises
PEM study : High Energy Particle noise

PEM study : Geophysical noises

PEM study : Metheological noise

PEM study : Industrial noise

PEM study : Human activity noise

PEM study : Simulation

PEM study : New analysis

PEM group management : Meeting and presentation management

PEM group management : Communication with LIGO/Virgo

PEM group management : Communication with underground physicists

PEM group management : Communication with Kamioka-Kogyo

PEM group management : Communication with external specialists