Preliminary work on the gas system during the replacement of the Cgem chambers

- Motivation
 - Avoid flammable gas leakage into the hall when the inner chamber of the MDC detector is pulled out
- Method and plan
 - In early September, before the MDC inner chamber is pulled out
 - Use argon to completely replace the original MDC internal gas mixture
 - Monitoring of flammable gases in the hall
- Next work
 - Around September 25, Cgem installation will be completed.
 - The original gas supply system was restored to the outer chamber of the MDC.
 - The gas system of Cgem detector will start working.

Details

The lower explosive limit concentration of propane is usually between 2.1% and 9.5%. This means that when the concentration of propane is out of this range, no explosion hazard is triggered.



Flammable Gas Detection Systems

