

# ALICE

---

<https://its.cern.ch/jira/browse/GASSYSTEMS-217>

ALICE Analysis chain 3 H2O

MattiaV: It is not working since March

Andrea had two spares

MattiaB ordered other two spares



<https://its.cern.ch/jira/browse/GASSYSTEMS-246>

ALICE budget details for <2023 consolidation works

Numbers and TIDs now start to be really needed

# ATLAS

---

<https://its.cern.ch/jira/browse/GASSYSTEMS-188>

ATLAS RPC - Purifier 1 column A clogging

Leaks fixed? Leak tests results?

Soon from purify 3 to 1

Used old type joints from Andrea

Joints from Gianluca better (for high temperature and Chlorine given to Kostya for ageing validation)

<https://its.cern.ch/jira/browse/GASSYSTEMS-235>

ATLAS-RPC Purif 3

Left at lower regeneration temperature meanwhile we solve purify 1 problem

<https://its.cern.ch/jira/browse/GASSYSTEMS-261>

ATLAS-RPC request to increase the flow

<https://its.cern.ch/jira/browse/GASSYSTEMS-262>

RIX compressor (mainly for CMS CF4)

From previous ticket (<https://its.cern.ch/jira/browse/GASSYSTEMS-88>):

Maria Cristina Arena added a comment - 31/May/24 10:09 AM

3 repair kit for rix compressor at CMS -1 used --> two left? Andrea to check

How many compressors in TRT gas system?

2 in rack+1 spare? --> Kacper to check with Kostya

## CMS

---

<https://its.cern.ch/jira/browse/GASSYSTEMS-228>

No repair kit or compressor spare for R134a recovery

<https://edh.cern.ch/Document/SupplyChain/DAI/10287363> 12/7

<https://edh.cern.ch/Document/SupplyChain/DAI/10438653> 25/7

supplier is closed for august, and it did not receive the orders! Expected delivery: w38-39 (end September)

Gianluca ordered from a French supplier (Received by the supplier on sept 23rd)

Let's see who will win the (long) sprint

<https://its.cern.ch/jira/browse/GASSYSTEMS-166>

Pump run time

O2 measurement for CF4 absorber module (which analyser? How to connect?)

~~XMFM 2029 reading in CF4 Abs module~~

<https://its.cern.ch/jira/browse/GASSYSTEMS-194>

CF4 recuperation compressor new RIX + compressor HAUG

Andrea contacted the reseller on August 9th.

I contacted on August 16th and I received reply 2 days after. RIX is reviewing their export procedure. Price quotation received on August 30th.

Frederic from easyfluid: 21.5 k compressor + 11.5 k (maintenance kits 2000 h and 8000 h)

From WENEX: 20.2 k

However:

The new compressor is working with an inlet pressure from 2.0-4.8 barg...and our vacuum pumps are not going beyond 1 barg.

For the compressor we use now the inlet pressure range is from 0.2 to 1.7 barg...and it is correct.

So, I'm not sure it will work or at least it will require an intermediate stage of compression from 1 to 2-2.5 barg.

<https://its.cern.ch/jira/browse/GASSYSTEMS-192>

CF4 recuperation compressor maintenance

Did you test with the setup at CMS?

<https://its.cern.ch/jira/browse/GASSYSTEMS-236>

CMS UXC pressure sensor not working

<https://its.cern.ch/jira/browse/GASSYSTEMS-255>

CMS CF4 recup CF4Abs Col A problem

Since September 7 the column does not reach the setpoint to stop the extraction phase.

Two pumps changed, non return valve dismantled --> problem not solved

Swap of the pumps --> problem not solved

Replace filters? Done yesterday (18/9) with same type?

<https://its.cern.ch/jira/browse/GASSYSTEMS-263>

CMS pressure sensors broken/replaced

Summary table

➔ Add also Patm pressure sensors.

<https://its.cern.ch/jira/browse/GASSYSTEMS-259>

CMS CF4 recuperation warning/alarms

some warning/alarms should be sent to the piquet phone

to check logic and which warning/alarms

to evaluate if it can be useful (in general) to have a warning on gas balance, i.e. mixer-exhaust

## LHCb

---

<https://its.cern.ch/jira/browse/GASSYSTEMS-123>

RICH1 C4F10 consumption

Any news?

<https://its.cern.ch/jira/browse/GASSYSTEMS-234>

RICH2 CF4 consumption

Status

<https://its.cern.ch/jira/browse/GASSYSTEMS-227>

LHCB UT update condition for DSS

<https://its.cern.ch/jira/browse/GASSYSTEMS-260>

LHCb UT sensor broken in UX->need to be replaced

<https://its.cern.ch/jira/browse/GASSYSTEMS-258>

LHCb MWPC Pump module PID to tune

MWPC gas system difficult to restart