# Status of Gas Systems

This information is updated by the Gas Expert on stand-by every Monday

## ALICE

<table>
<thead>
<tr>
<th>Subsystem</th>
<th>Status</th>
<th>24h Piquet</th>
<th>Comments</th>
<th>detector expert</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPC</td>
<td>ON</td>
<td>-</td>
<td>Run mode. Ar / CO2</td>
<td></td>
</tr>
<tr>
<td>TRD</td>
<td>ON</td>
<td>-</td>
<td>Run mode. Xe / CO2</td>
<td></td>
</tr>
<tr>
<td>HMPID</td>
<td>OFF</td>
<td>-</td>
<td>CR5 Argon backup to flushing chambers. On the weekend, check the flow cells</td>
<td></td>
</tr>
<tr>
<td>TOF</td>
<td>OFF</td>
<td>-</td>
<td>C2H2F4 Backup</td>
<td></td>
</tr>
<tr>
<td>MTR</td>
<td>OFF</td>
<td>-</td>
<td>The outlet bubbler to the distribution is disconnected. Chambers to the p. atmospheric. Call 163763 if action is needed</td>
<td></td>
</tr>
<tr>
<td>MCH</td>
<td>ON</td>
<td>-</td>
<td>Run mode. Ar / CO2 [80 - 20]</td>
<td></td>
</tr>
<tr>
<td>CPV</td>
<td>OFF</td>
<td>-</td>
<td>Backup is Argon.................... Ar-CO2 [83 - 17] One chamber to the channel 2 around 17.0 l/h. Rack 61 Envelop View PHOS N2 to Channels 1-2-3-4 each around 55 l/h</td>
<td></td>
</tr>
<tr>
<td>PMD</td>
<td>OFF</td>
<td>-</td>
<td>Backup is Argon .................... Ar / CO2 [70 - 30]</td>
<td></td>
</tr>
</tbody>
</table>

## ATLAS

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<tbody>
<tr>
<td>TGC</td>
<td>Off</td>
<td>-</td>
<td>Run CO2-nC5H12 [55+45]</td>
<td>Henso 162530 and George 160507</td>
</tr>
<tr>
<td>RPC</td>
<td>On</td>
<td>-</td>
<td>Run Argon [100] + Purifier 1 et 2 ON in Manual/ Purifier 3 OFF</td>
<td>Giulio Aielli 162143</td>
</tr>
<tr>
<td>CSC</td>
<td>On</td>
<td>-</td>
<td>Run CO2-Ar [80-20]</td>
<td>Philipp Fleischmann 169676</td>
</tr>
<tr>
<td>MDT</td>
<td>On</td>
<td>-</td>
<td>Run Ar-CO2-H2O [93-7-0.008]</td>
<td>Philipp Fleischmann 169676</td>
</tr>
<tr>
<td>TRT</td>
<td>Off</td>
<td>-</td>
<td>Run Xe-CO2-O2</td>
<td>Konstantin Zhukov 160446 and Serguey Konovalov 163713</td>
</tr>
<tr>
<td>ID Flushing</td>
<td>On</td>
<td>-</td>
<td>CO2</td>
<td>Kerstin Lantzsch 165897</td>
</tr>
<tr>
<td>TFC</td>
<td>Off</td>
<td>-</td>
<td>Run Air</td>
<td>Konstantin Zhukov 160446 and Serguey Konovalov 163713</td>
</tr>
</tbody>
</table>
## CMS Subsystem Status 24h Piquet

<table>
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</tr>
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<tbody>
<tr>
<td>CSC</td>
<td>STOP</td>
<td>-</td>
<td>Run CO2-Ar [50-40]+CF4 10%</td>
<td>Xiaofeng Yang 160270</td>
</tr>
<tr>
<td>CSC SX5</td>
<td>STOP</td>
<td>-</td>
<td>Run CO2-Ar [60-40]</td>
<td>Victor Perelygin 162185</td>
</tr>
<tr>
<td>RPC</td>
<td>STOP</td>
<td>-</td>
<td>Run C2H2F4-iC4H10-SF6 [95.2+4.5+0.3] + Purifier 1 et 2 ON/ Purifier 3 OFF</td>
<td>Anto Dimitrov 162692</td>
</tr>
<tr>
<td>DT</td>
<td>RUN</td>
<td>-</td>
<td>Run Ar-CO2 [85-15] Purifier OFF</td>
<td>Ignacio Redondo 168661</td>
</tr>
<tr>
<td>DT SX5</td>
<td>STOP</td>
<td>-</td>
<td>Run Ar-CO2 [85-15]</td>
<td></td>
</tr>
<tr>
<td>GEM</td>
<td>RUN</td>
<td>-</td>
<td>Argon 100%</td>
<td></td>
</tr>
<tr>
<td>CF4 RECOVERY</td>
<td>STOP</td>
<td>-</td>
<td>Valve CMSDT_Mx_YC1008 is in AUTO mode</td>
<td>Andrea d’AURIA 160021 Roberto Guida 162146</td>
</tr>
</tbody>
</table>

Flushing ON - Check that there is flow in all lines (with the exception of ColdBox, i.e. #5) 165503; 165350; CMS-TC 165000

### TOTEM Comments

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<th>detector expert</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1 CSC</td>
<td>RUN MIXER</td>
<td>-</td>
<td>Argon 60% + CO2 40%</td>
<td></td>
</tr>
<tr>
<td>T2 GEM</td>
<td>STOP</td>
<td>-</td>
<td>Argon 70% + CO2 30%</td>
<td>Turini 162474, 160907</td>
</tr>
</tbody>
</table>

### LHCb Comments detector expert

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<tbody>
<tr>
<td>GEM</td>
<td>On</td>
<td>YES</td>
<td>Run normal</td>
<td></td>
</tr>
<tr>
<td>OT</td>
<td>On</td>
<td>YES</td>
<td>Run (YV-5003 Forced CLOSED and Purifier off, Pump Mix: Argon-CO2-O2 70-28.5-1.5 *in case of stop, restart system as soon as possible *</td>
<td></td>
</tr>
<tr>
<td>Muon</td>
<td>On</td>
<td>YES</td>
<td>Run Normal</td>
<td></td>
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<tr>
<td>Rich1</td>
<td>Stop</td>
<td>NO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rich2</td>
<td>On</td>
<td>YES</td>
<td>Run Normal, mixer auto</td>
<td></td>
</tr>
</tbody>
</table>

### Gas Supply to experiments

<table>
<thead>
<tr>
<th>from</th>
<th>to</th>
<th>phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>D. JAILLET</td>
<td>2015</td>
<td>16 7151</td>
</tr>
<tr>
<td></td>
<td>Ou</td>
<td>16 9439</td>
</tr>
<tr>
<td>M. Wilhelmsson</td>
<td>Reserve</td>
<td>16 0056</td>
</tr>
</tbody>
</table>
Gas Piquet Log Book

* Gas_Piquet_Interventions_2013.xls: Gas Piquet Interventions 2013

test

* [[http://cms.web.cern.ch/][http://prova.it]]

Link to some of our Web Pages

- GWG home page
- EDMS and MTF pages
- Maintenance & Operation pages
- Gas Chromatograph/Mass Spectrometer pages
- Gamma Irradiation Facility Logbook pages

Here link to the CMS CSC SWC Gas Monitoring System: CscMonitoring.

Obsolete Information

Rack Test program

- The CompleteList and Status of mixers & distribution racks
- The TentativeSchedule (with names) for the tests

Site Tools of the LHCgas Web

- (More options in WebSearch)
- WebChanges: Display recent changes to the LHCgas web
- WebIndex: List all LHCgas topics in alphabetical order. See also the faster WebTopicList
- WebNotify: Subscribe to an e-mail alert sent when something changes in the LHCgas web
- WebStatistics: View access statistics of the LHCgas web
- WebPreferences: Preferences of the LHCgas web (TWikiPreferences has site-wide preferences)