# aLIGO Integration status 23 May 2012

#### **Communication**

New email list created for aLIGO integration & commissioning:

aligo ifo@ligo.org

Sign up: <a href="https://grouper.ligo.org/selfmanage/aligoIFO">https://grouper.ligo.org/selfmanage/aligoIFO</a>

Biweekly commissioning meetings at LHO:

Mon & Thur, 8.45 am local

Weekly commissioning meetings at LLO:

Mon afternoon

# Integration status at LHO: Buildup to H2OAT

- ITMY chamber (BSC8): everything installed and closed up
  - Pumping began last week; minimum of 2 weeks before opening GV to tube
  - ISI controls commissioning in progress
- ETMY chamber (BSC6): still open
  - Final suspension measurements & alignment tweaks
  - Expect to close up next week
  - 2 week minimum pumpdown
- Start of H2OAT, as marked by sending light down the arm, looks like mid-June

# Integration status at LLO: Buildup to Input Mode Cleaner

- HAM3 chamber: everything installed
  - HEPI mechanics installed, but not connected
  - ISI controls: transfer functions being measured
- HAM2 chamber:
  - ISI installed
  - Nothing on table yet; should start soon
- PSL/IO table
  - PSL is ready
  - IO almost finished; need to route beam into HAM2 (periscope mirrors, tubes, viewports)
- In-vacuum IMC locking could start around end-July

# **Integration Issue Tracking**

Bugzilla installation for issue tracking (J Hanks)
 https://services.ligo-wa.caltech.edu/integrationissues/



# What to put in the issue tracker?

- Things that are broken and don't get fixed right away
- Hardware modifications that need to get propagated to all instances
- Problems that may be neglected if they are only noted in the alog
- New feature requests
- Not for software bugs use CDS bugzilla for that
- Other suggestions for how to use it are welcome

### **Entering Issues**

#### Bugzilla calls them **Products**, for us they're the **subsystems**

#### aLIGO Integration Issue Tracker

#### First, you must pick a product on which to enter a bug:

AOS: aLIGO AOS

**COC:** Core Optics Components

**DAQ:** Data Acquisition

**FMP:** Facilities

IO: Input Optics

**ISC:** Interferometer Sensing & Control

**PEM:** Physical Environment Monitoring

**PSL:** Pre-Stabilized Laser

**SCM:** State Control and Monitoring

**SEI:** Seismic Isolation

**SUS:** Suspensions

**SYS:** Systems Engineering

TCS: Thermal Compensation System

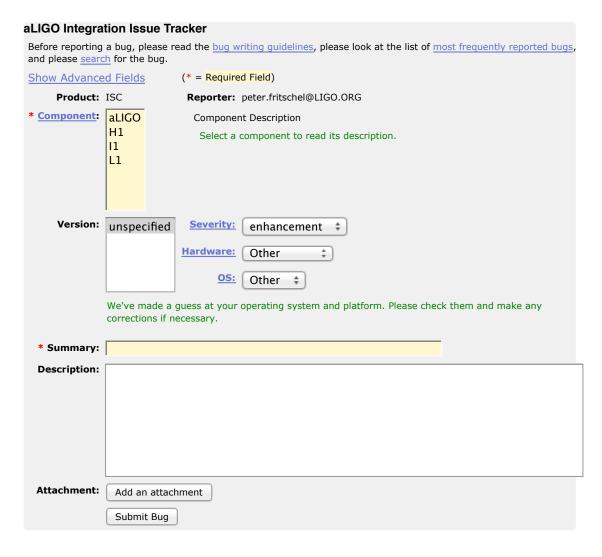
#### Will expand AOS to:

Stray Light Control
Optical Levers

**Photon Calibrator** 

**Transmission Monitor** 

# Entering issues, cont'd



You must enter a **Component** 

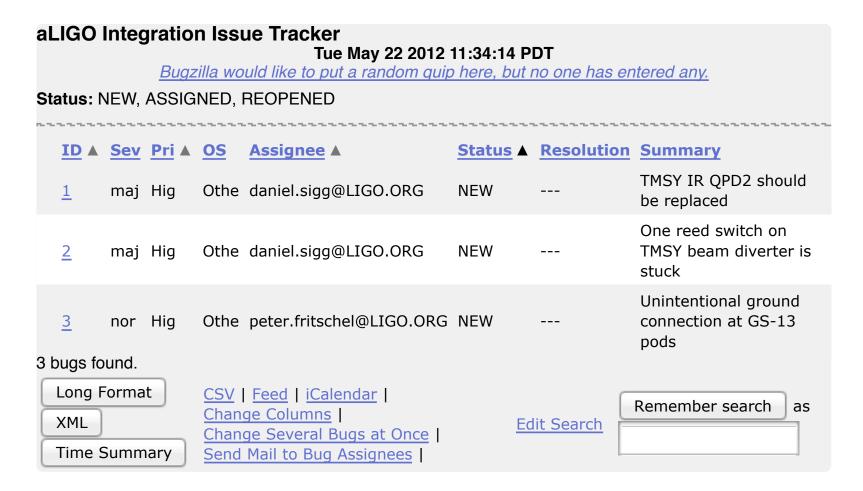
- aLIGO: issue applies to all interferometers
- H1: issue applies to H1 only
- L1: issue applies to L1 only
- I1: issues applies to I1 only

Other fields are designed for software bug tracking, and can be ignored

# Assignees & Status

- Each component, for each product (subsystem), has default assignee names – i.e., email addresses for notification
  - Propose that the default assignee, for all components of a subsystem, be the subsystem lead
  - Default CC list: subsystem co-lead
- Status starts out as 'NEW'; can be changed to:
  - 'ASSIGNED' (use to indicate issue is being worked)
  - 'RESOLVED'

# Current issues in the system



Note that search result list does not indicate subsystem (product) Could add the subsystems as choices for the **OS** field - ?