# Overview of software activities

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#### The last months...

- →.. have been "still" busy ...
  - Many bug fixes and code improvements:
    - Remove compiler warnings
    - Checking input file presence
    - Put position in CALO Hit
    - Correct Rec Point computing for MSD
    - Change fragment read back for raw data
    - Add fragment for ITR
    - Correct mapping file reading (MSD/CAL)
    - Proper switch Off/On for detectors (CAL)
    - Add option for reading only one sub-file in raw data
    - Extract run number from DAQ file name
    - Add ancillary detectors (neutron, scintillators)

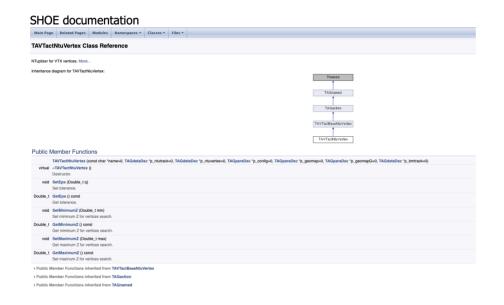
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# Status (i)

- → We are near the Goal:
  - All detectors are in shoe with all the interfaces (finally)
  - The developments on the detector side
    - Need to compute calibration/alignment parameters for CNAO campaigns
  - Global alignment strategy: BM+VTX+MSD (Thanks to Yun & co)

## Status (ii)

 Oxygen documentation ongoing, server hosted in Roma (ST, MSD, TW, CA not done)





### 'final' considerations

#### Local/Global Reconstruction is available:

- → Please using the latest version (master or newgeom) for reconstruction:
  - Helping a lot for debugging and make the code more stable (many thanks to Yun, Giuseppe, Roberto Z.... who are our Beta testers)
- Please push your changes in the newgeom branch to make them available for everybody

Pb of recurrent man power, need at least one guy per detector Calibration/alignment done by the core team!

#### What's ahead of us...

- Improve documentation:
  - Update the twiki page, could be improved
    - http://arpg-serv.ing2.uniroma1.it/twiki/bin/view/Main/ FOOTSoftware
  - We still need to update the Doxygen documentation
    - http://arpg-serv.ing2.uniroma1.it/FOOTshoe/shoe/html/index.html
- Analyse GSI2021 CNAO2022 data:
  - still pending issues

# Thanks for your attention