TRB QUALIFICATION OF OFP PENETRATORS DOM & BASE
Ongoing Qualification Actions
OFP base and DOM penetrators

- Qualification status:
  - Already pressure tested
  - Already electrically tested
  - Recently done: stress tests (vibrations, shocks, climatic, thermal shock)

- Date of the operation at SOPAVIB (Lyon): 20/08 to 26/08

Included: MPO connectors (12 fibres)
Not included: fiber cord adaptor 1x12

Monitoring pad (outside)
Ongoing Qualification Actions
OFP base and DOM penetrators

Vib. & shocks vertical axis

Vib. & shocks transversal axis

Vib. & shocks longitudinal axis

climatic

Thermal shock
Ex: shocks transversal axis

Ex: vibrations longitudinal axis

Conclusions:

• Looks positive so far
• Draft report already distributed
• Material sent back to NIKHEF for detailed inspection
Transportation CPPM to SOPAVIB

Vibration and shock on the transversal axis

Vibration and shock on the longitudinal axis

Vibration and shock on the vertical axis

Climatic & thermal shock

Transportation SOPAVIB to CPPM

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

TESTS OK (*)

(*) : Except the electrical insulation red wire/frame of the DOM penetrator

Qualification - Sylvain Henry - September 2019