Empirical Verification Automation

Background

When running a Cybershake run with lots of realisations check the first one to make sure a rupture is within expected deviation from empirical.

Story / Deliverable

a) Add empirical / verification submission script to the automation daemon

b) When a Cybershake run is running, the first realisation of a fault is automatically verified against empirical before running other realisations

Tasks

a) Calculate slurm scripts for Rrup / empirical calculations - 1 day

b) Create new slurm script for realisation validation and automate it - 0.5 day

c) Create new management step type for fault validation and automate it - 1 day

d) Block running other realisations if the realisation validation didn't pass - 1-2 days – Implementation plan has been done for this step 0.5 day left

e) Test with v18p9 run - 1 day

Notes

Option to verify when installing mgmt db and when running management daemon

Have LF / HF depend on HYP01 realisation verification step, if contains HYP in the realization name