

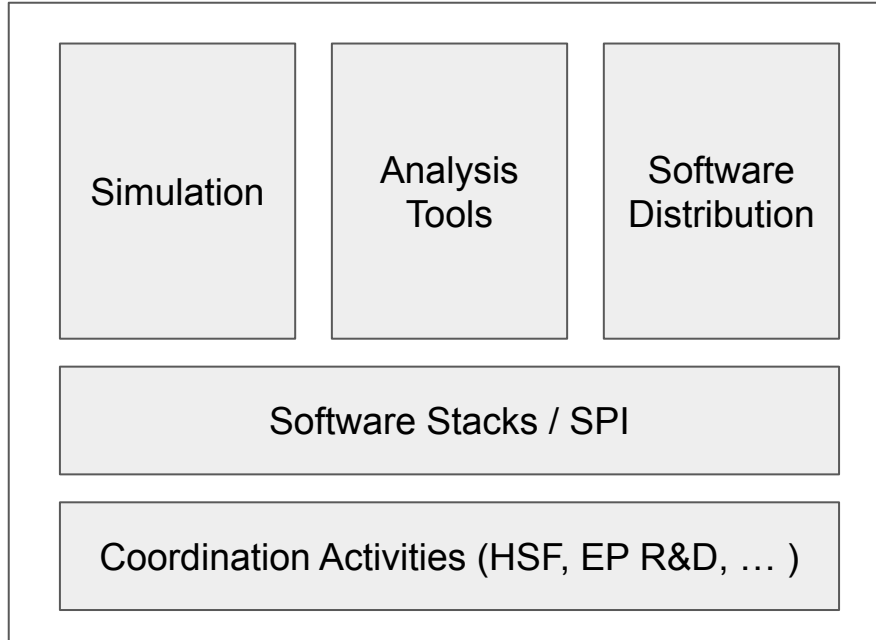
Communications and News

G Ganis, EP-SFT Special Group Meeting, 10 January 2024

Happy New Year!

- Despite a last year of changes, all projects managed to stay healthy, keeping delivering and answering to the requests of the stakeholders
- The changes we had to face and implement created a positive dynamics
- The challenge and wish for 2024 is to keep the momentum to consolidate the group role in the community
- And to continue to evolve ...

SFT *projects view*



Stakeholders

ALICE
ATLAS
CMS
LHCb
EP R&D
IT projects
HSF
FCC
...

Continuing the evolution in 2024: focus on ML

Why?

- The NGT discussions have underlined the relevance of Machine Learning in the community
- The [KT Applied AI workshop](#) also brought the attention to the need for our community to create a critical expertise across the lab and more structured approach

SFT is the natural place within EP where such efforts should converge and expertise build up

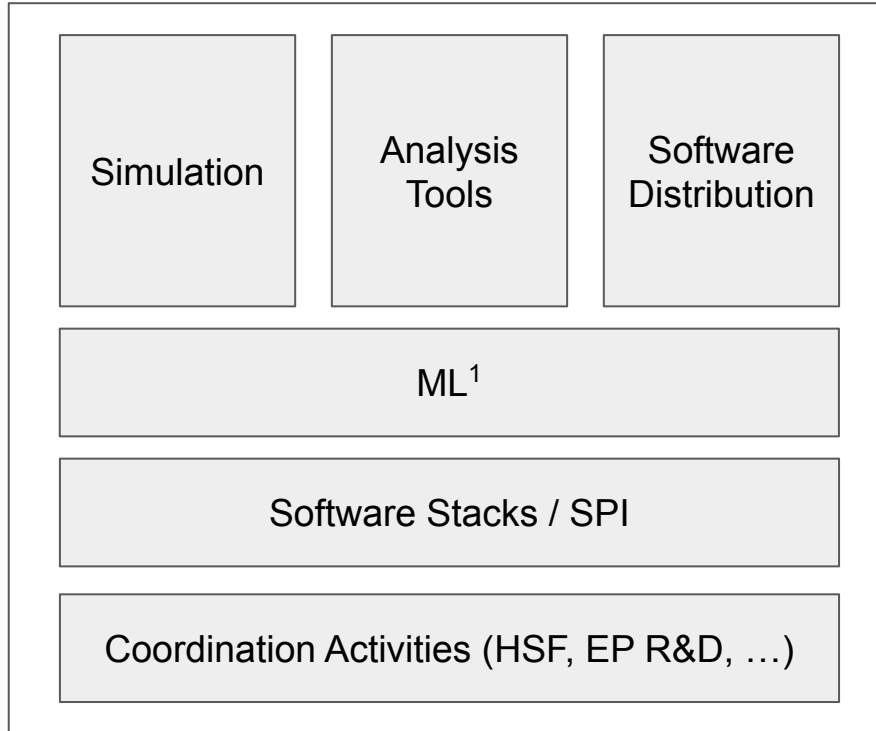
Machine Learning in SFT

- Currently main activities using ML
 - Simulation: FastSim
 - General ML-based solutions for shower simulation
 - Analysis Tools: SOFIE
 - Improved interface to ML tools for multi-variate analysis
- Latest versions of ML tools available on lxplus/SWAN through the LCG stacks

ML¹: new horizontal activity in SFT

- Expectations
 - Attract interest from developing programs, e.g. NGT
 - Act as synergising point for solutions developed in the community
 - Build-up critical expertise around available technologies
- Start from re-arranging current ML related activities
 - Simulation: FastSim ML
 - ~2.5 FTE (AZ, PR, new fellow)
 - Analysis Tools: SOFIE
 - ~1.0 FTE (LM, JR)

SFT *new projects view*



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ML¹: new horizontal activity in SFT

- Project Leader: Lorenzo Moneta
- A project vision will be presented next Monday
 - Stimulate feedback from experiments

Next Group meetings

- Next special meeting: January 15th
 - Plan-of-Work day
 - <https://indico.cern.ch/event/1341656/>
- Next regular meeting: January 22nd
 - <https://indico.cern.ch/event/1356064/>