



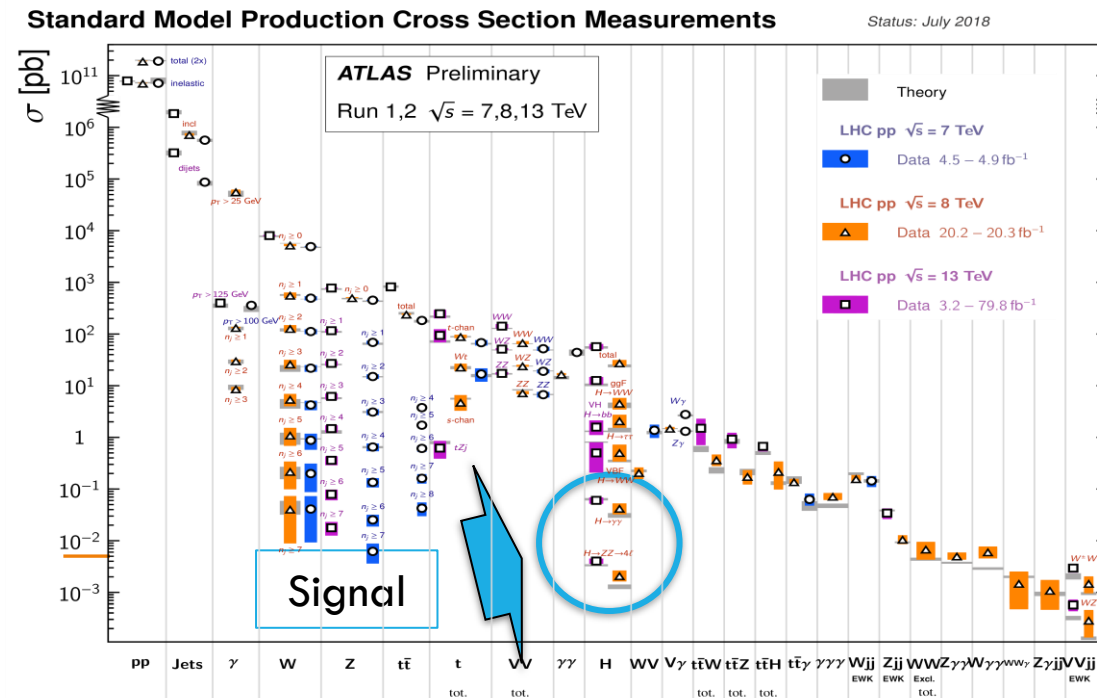
WORKSHOP RENAFAE: FUTURO

COMPUTAÇÃO

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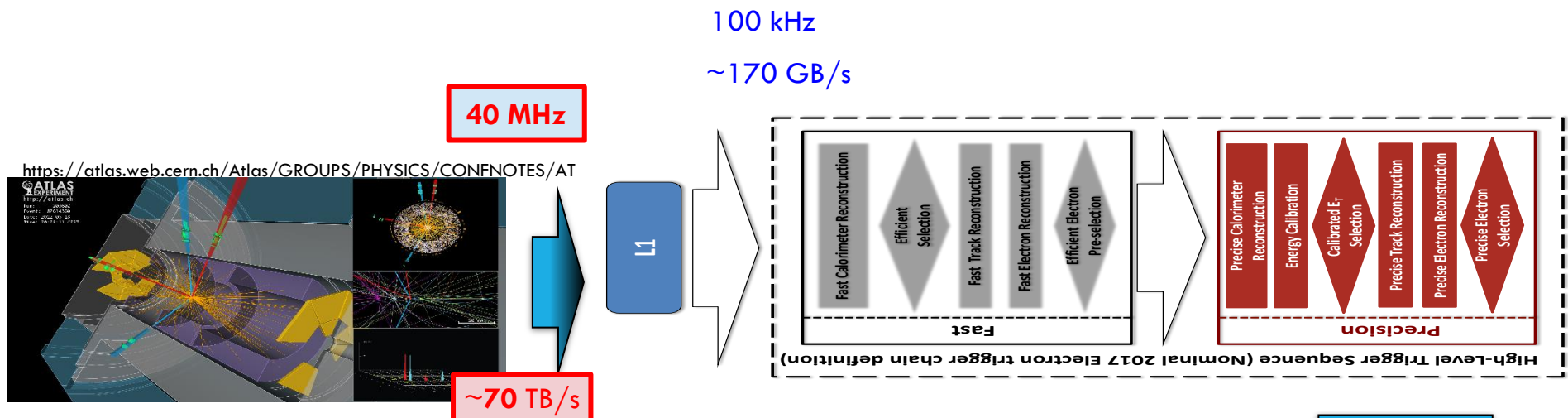
DESAFIO ONLINE



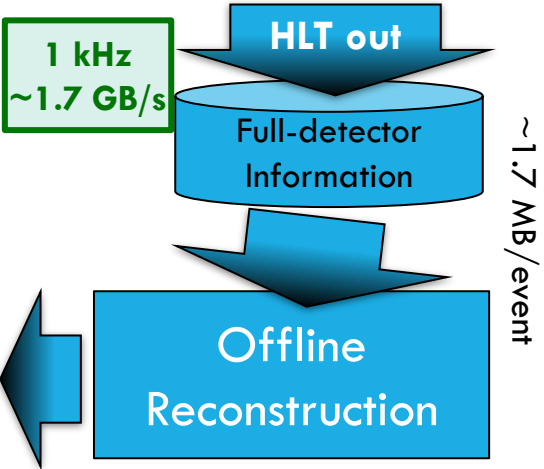
- Aumento da luminosidade: novos desafios
- Como será a tecnologia e arquitetura após upgrades?
- Como será para os experimentos do futuro?
- ML entra fortemente em cena: impactos da mudança de paradigma na estatística do offline
- ML x modelo físico: a informação física está preservada?

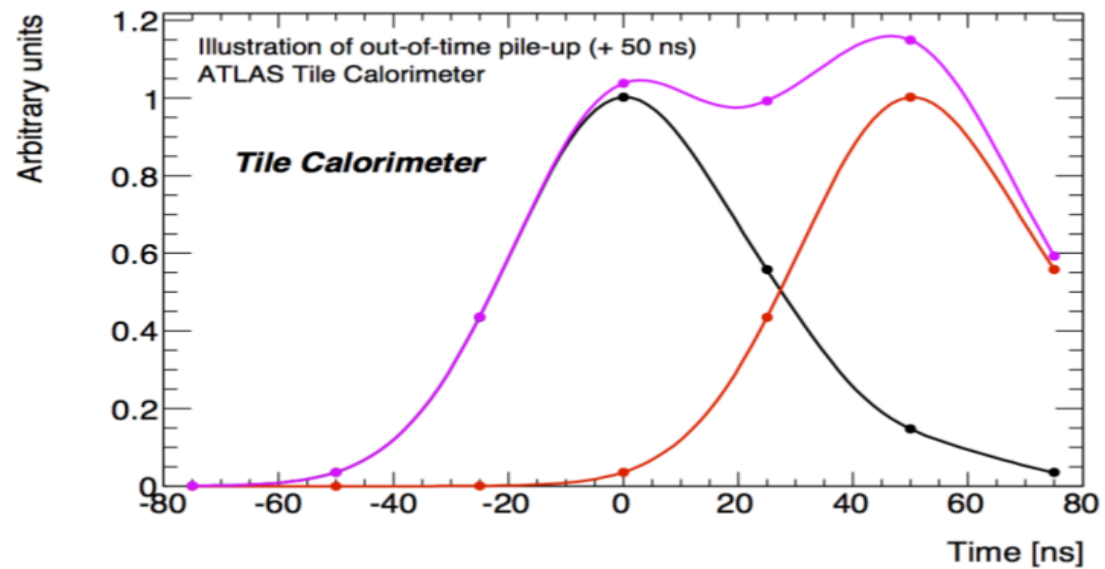
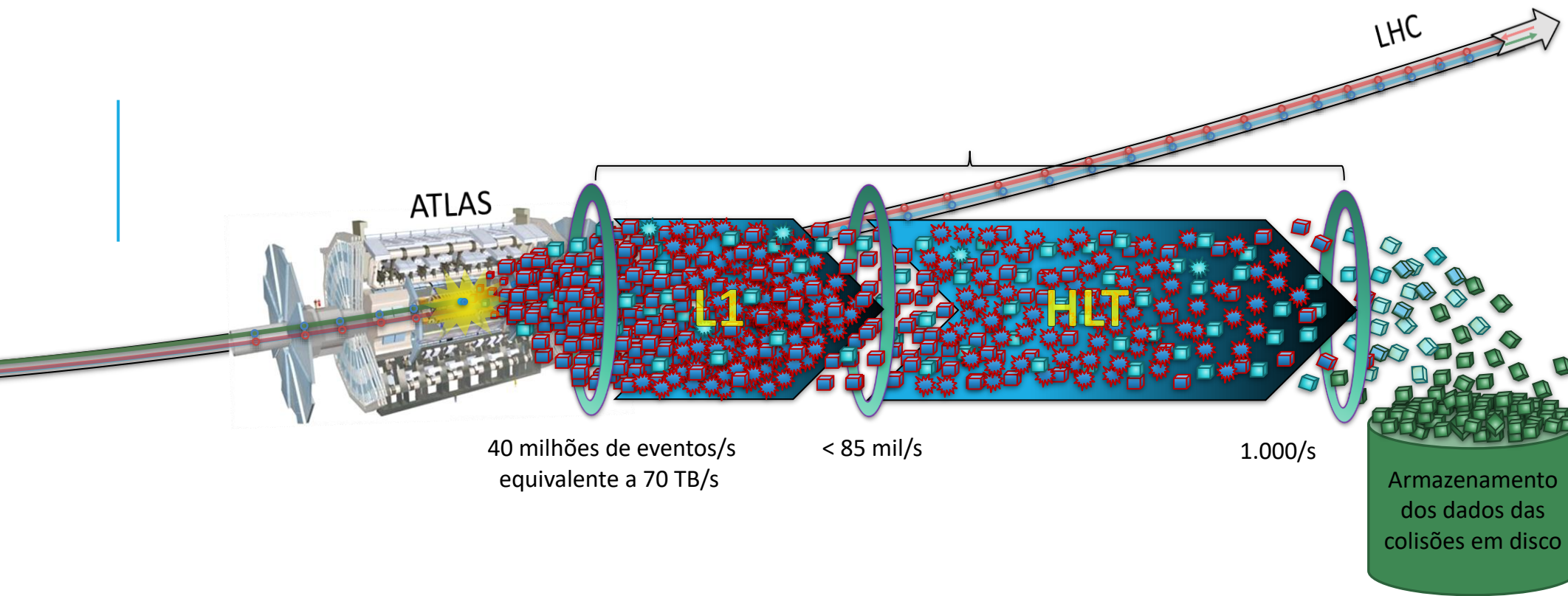
https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/CombinedSummaryPlots/SM/ATLAS_b_SMSummary_FiducialXsect/ATLAS_b_SMSummary_FiducialXsect.png

Filtragem Online (colisões)

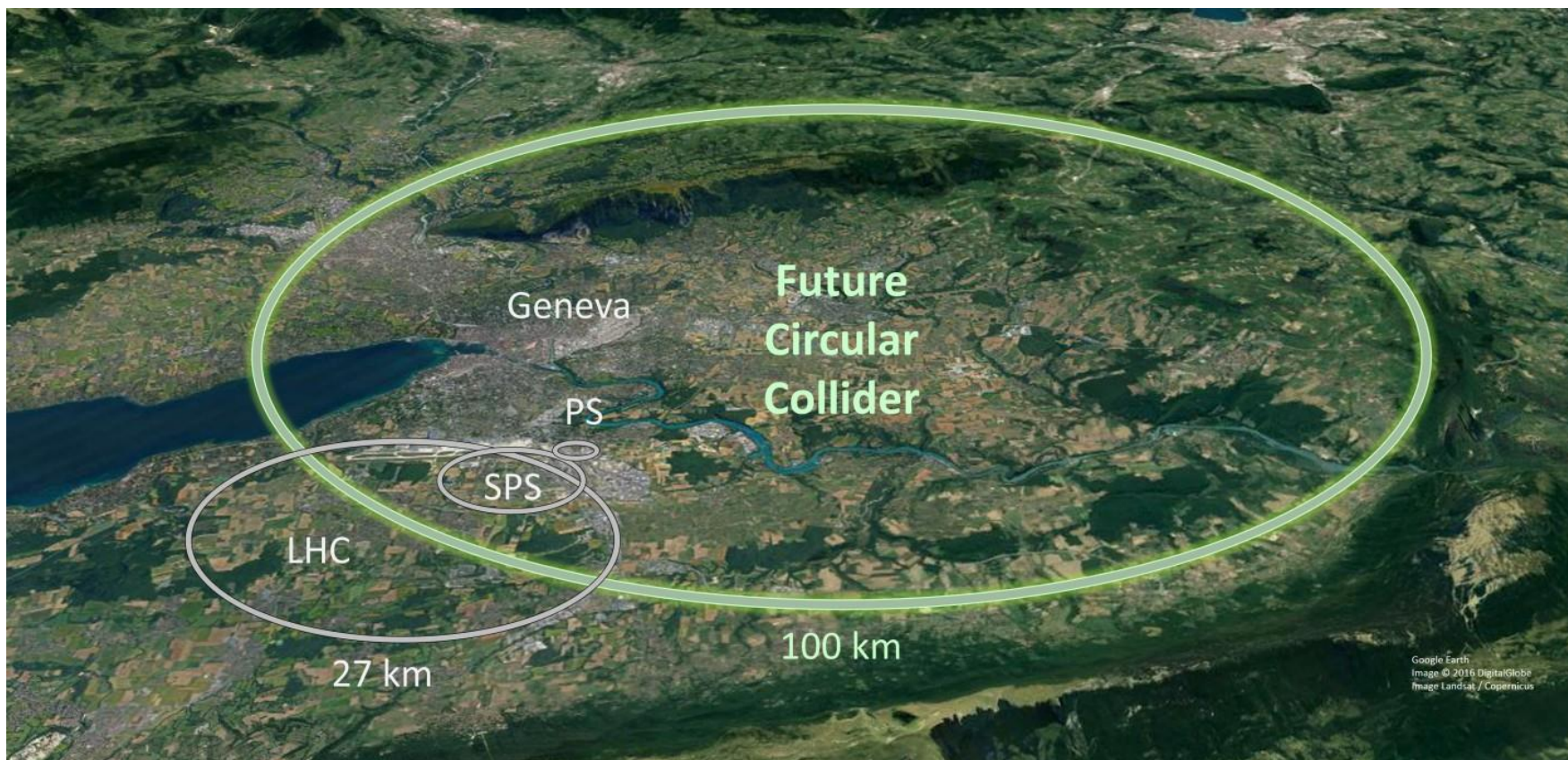


The online filter aims at reducing the original event rate (40 MHz) for handable storage levels (1 kHz), while keeping high the signal detection (in this case electrons as final state particles)





FCC



FUTURE COLLIDERS: 1989!

