ALICE Physics Selection Quality Assurance

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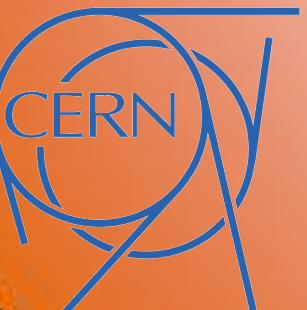
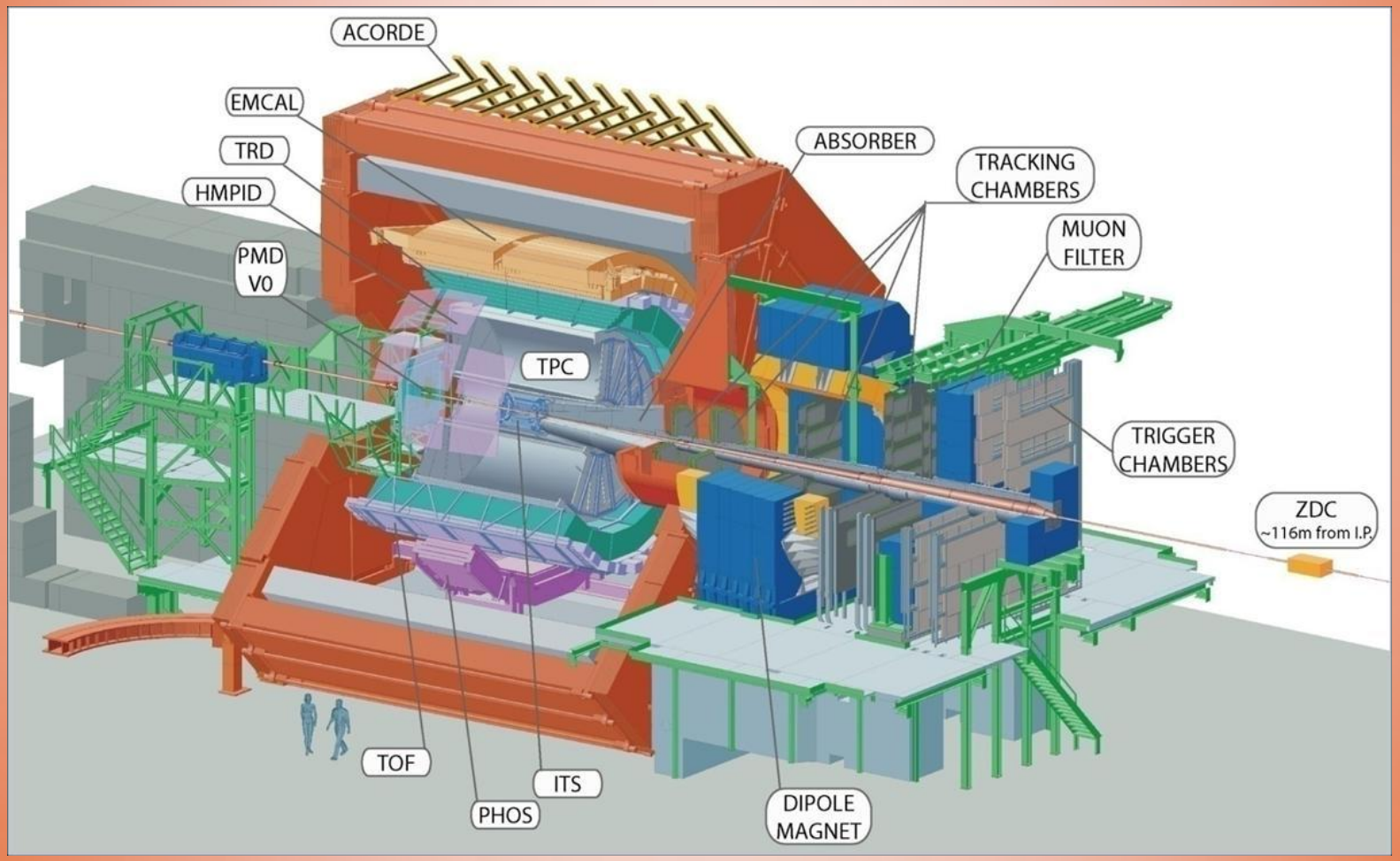


ALICE



Credit: CERN

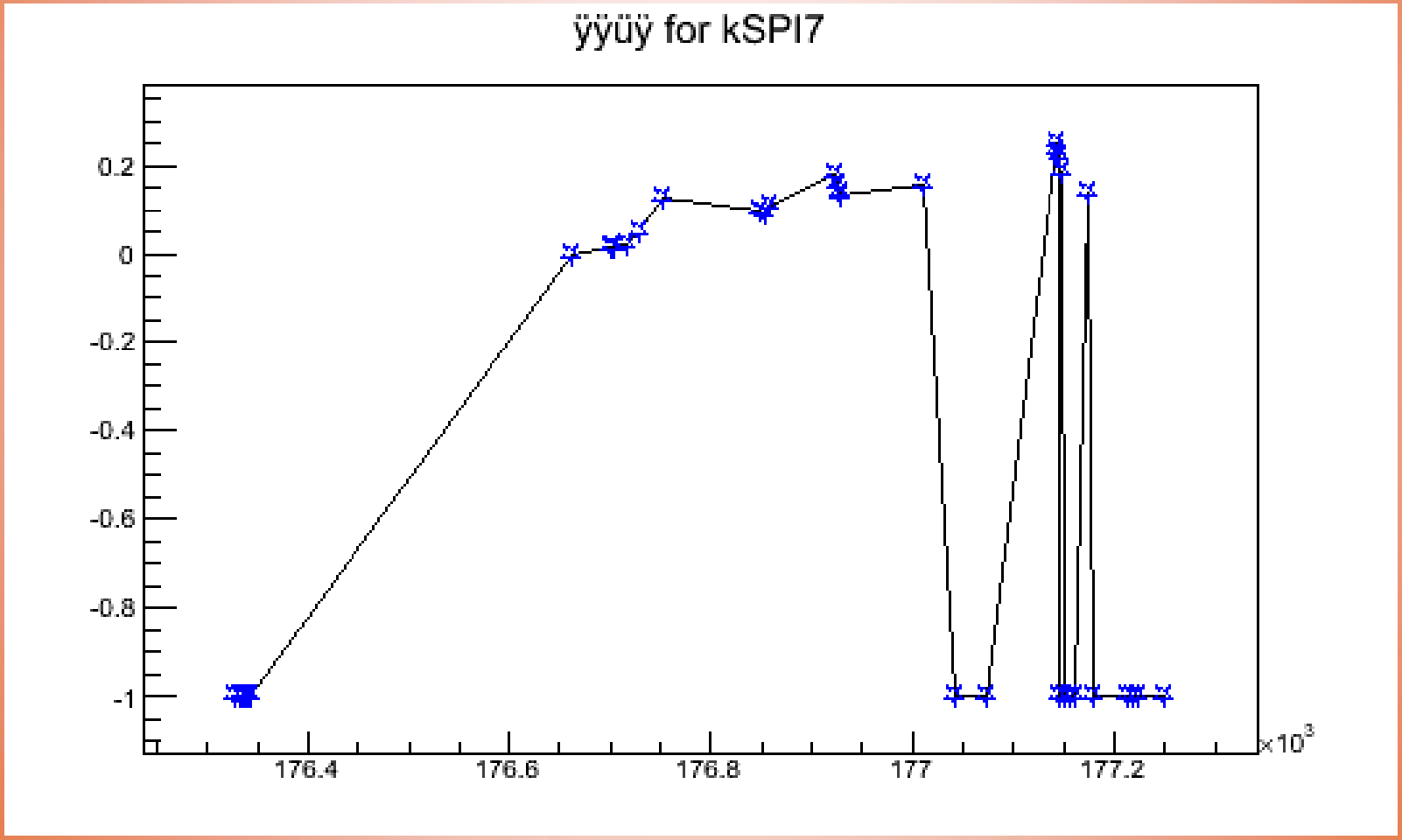
ALICE and PSQA

- Physics Working Group – Physics Performance (PWG – PP)
- Quality Assurance for Physics Selection
- Physics Selection applies offline triggers (central part of ALICE data analysis)
- Post processing to ensure online trigger is correctly selecting events
- Primarily investigating V0, T0, and ZDC triggers
- Big Picture: Keeps ALICE running efficiently to gather the best quality data

Problems

- Code completely broken from start
- Code completely undocumented
- With the approvals for Quark Matter, not many chances to clarify questions
- Standard frustrations with ROOT
- Code now compiles and runs without seg faults (still minor memory corruptions though)

Progress?



Progress?

- Remember Newton's Third Law
- Plot may seem nonsensical (which it is), but truly progress has been made

Future Goals

- Finish optimizing code for new analysis
- Interface results with the web, build generic analysis for future QA

Adventures & Food

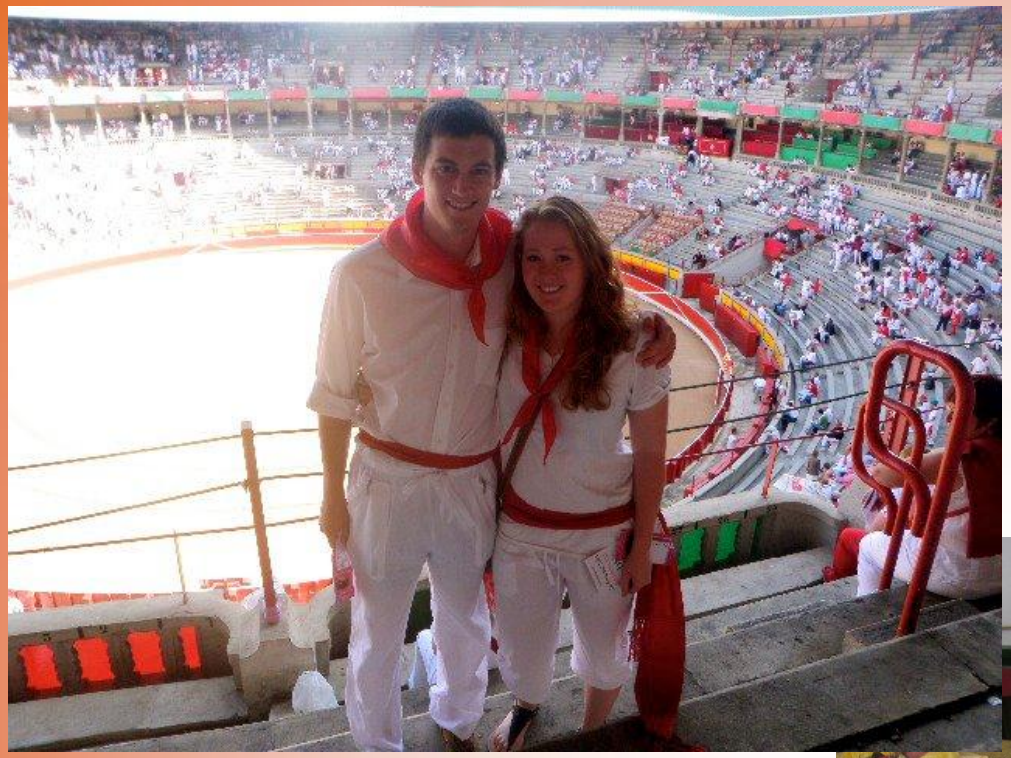


Photo courtesy of Marissa Gaskill

Photo courtesy of Stephanie Hamilton