

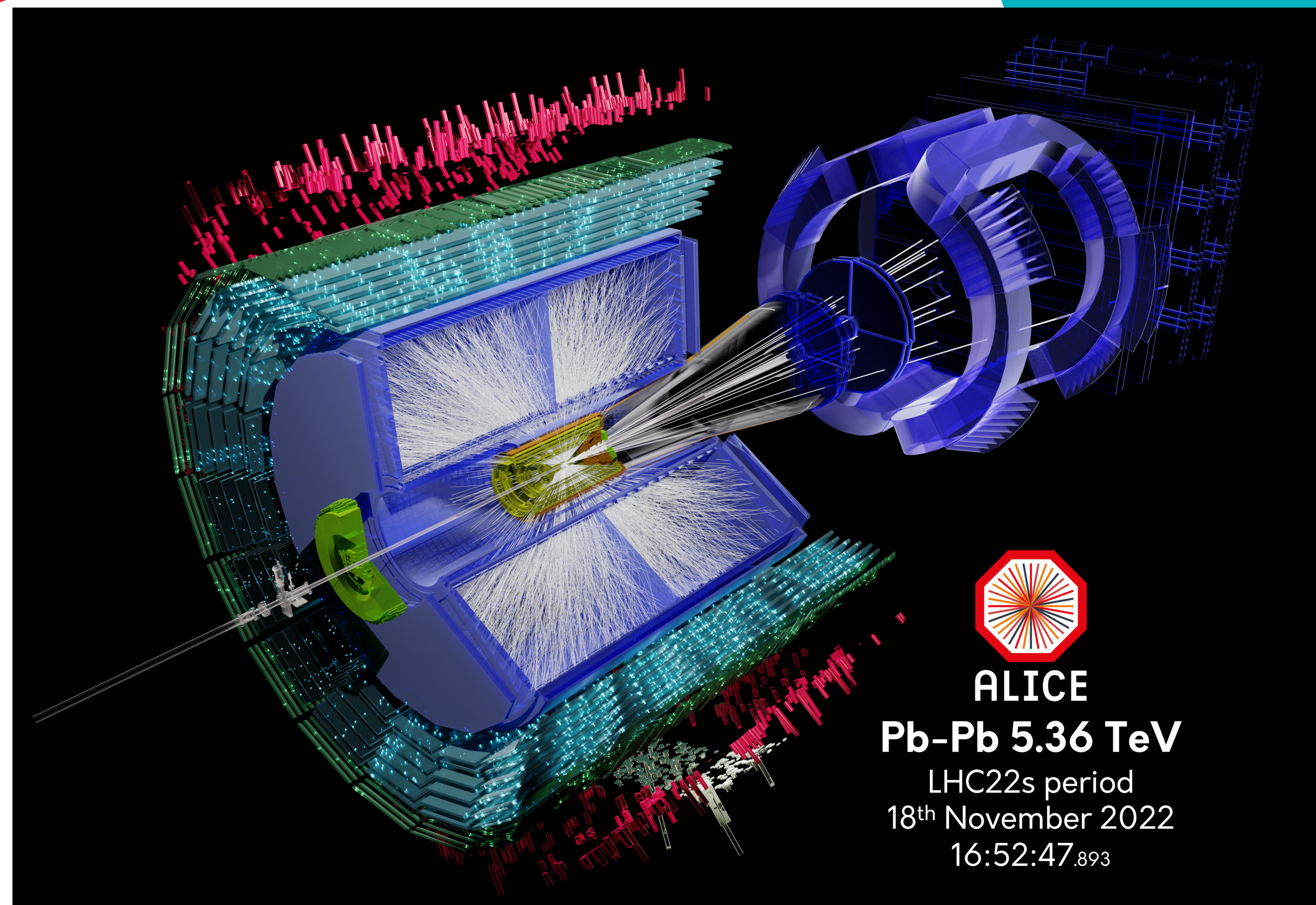
Nikhef



Utrecht University

OVERVIEW OF ALICE ACTIVITIES

Marta Verweij



THE ALICE GROUP

Several key collaboration roles

- Ongoing positions: Editorial board, Conference committee, computing board, system run coordinator ...

Spokesperson



Scientific staff



Engineers



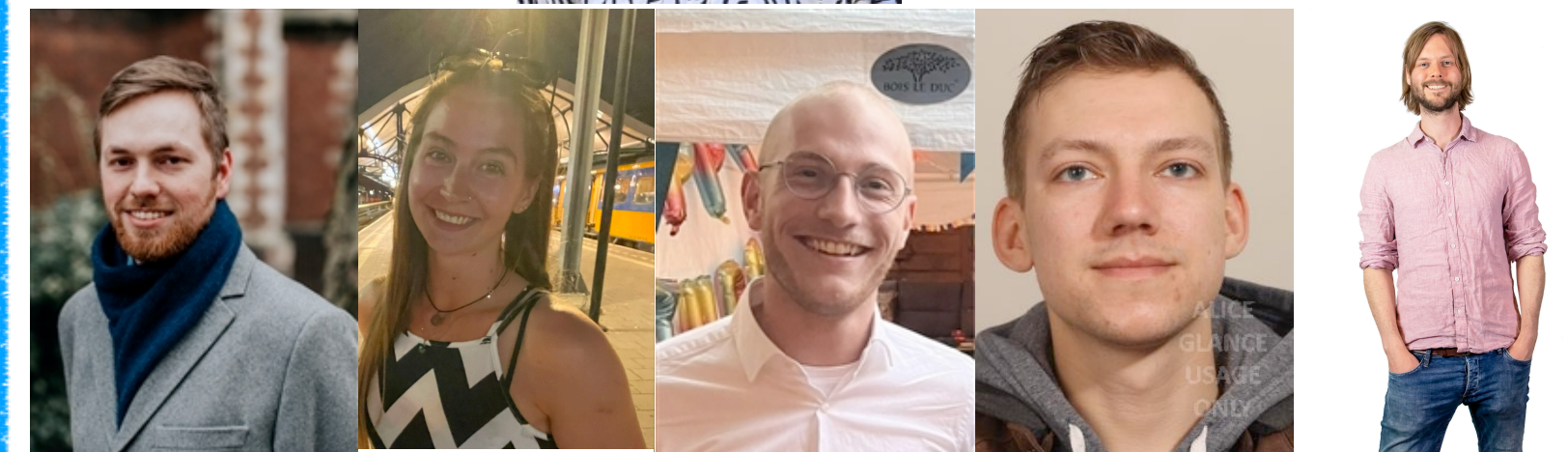
Administration



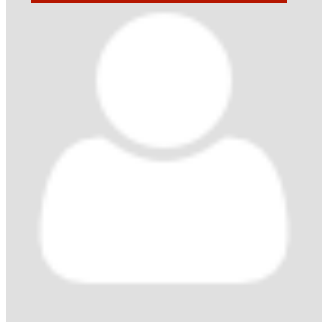
Postdocs & PhDs



Graduating



XL grant



M1 Peitzman



R&D



Retiring



New hiring



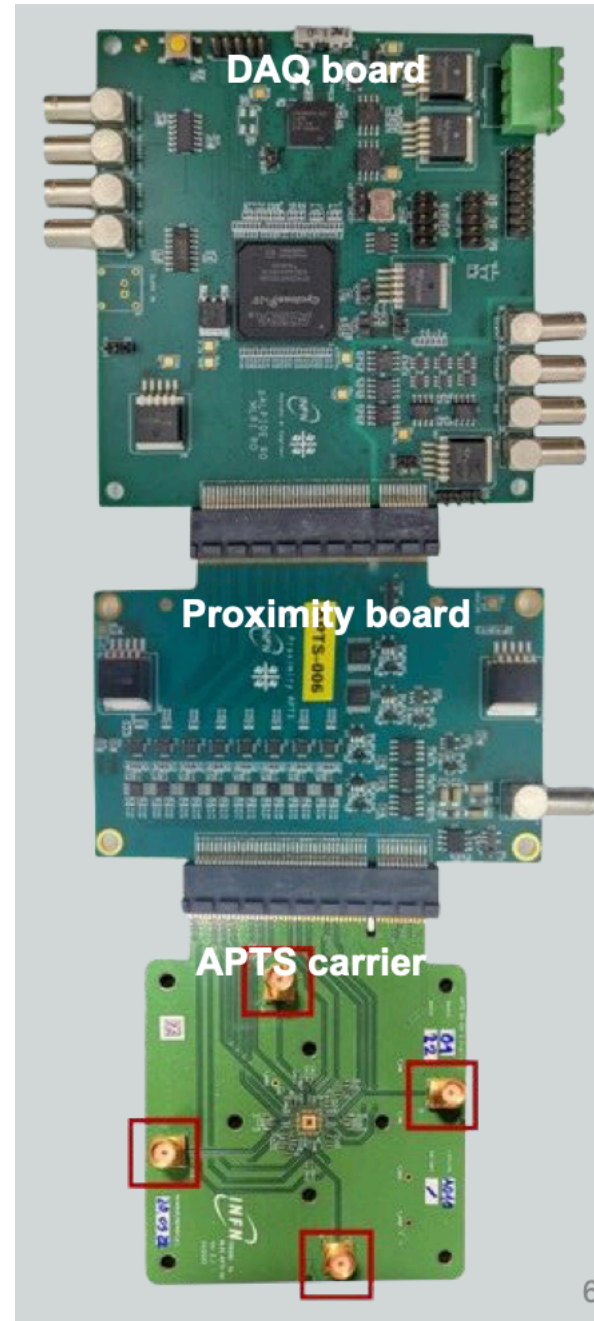
GRADUATED

Successful PhD defenses this year by Shi, Auro and Darius!

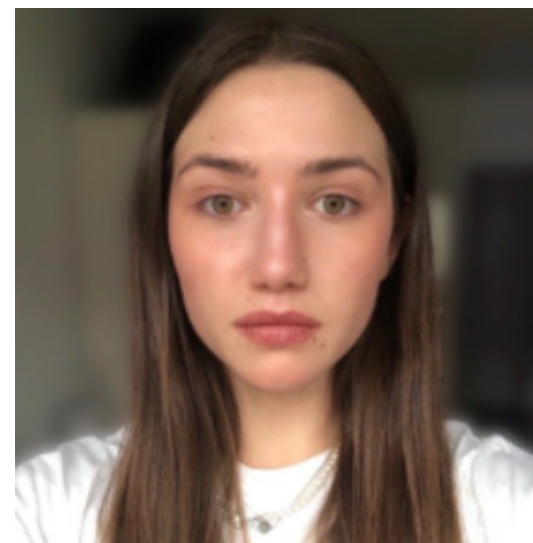
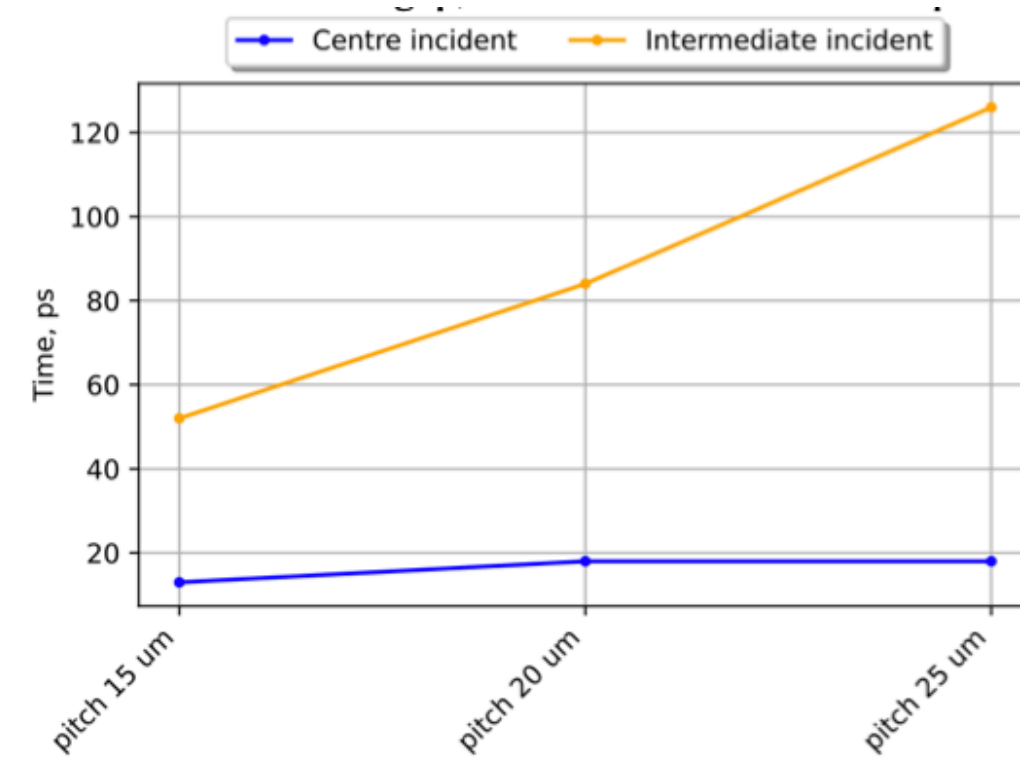
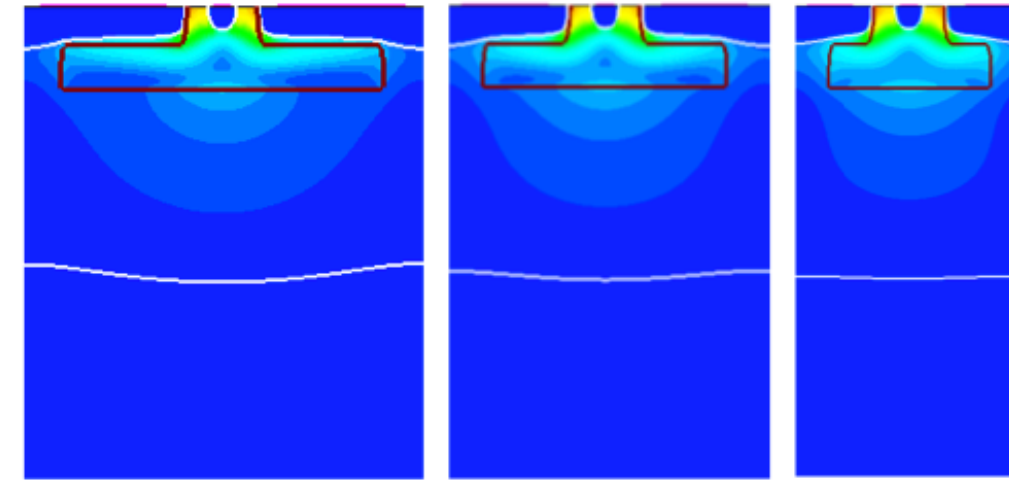


DETECTOR R&D

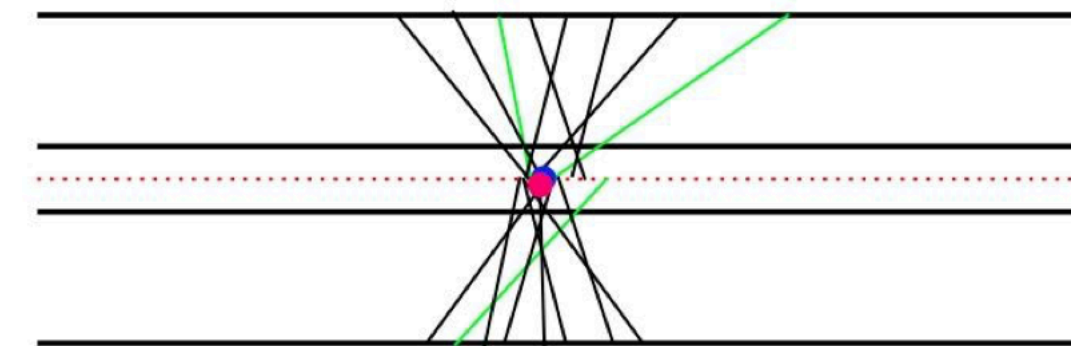
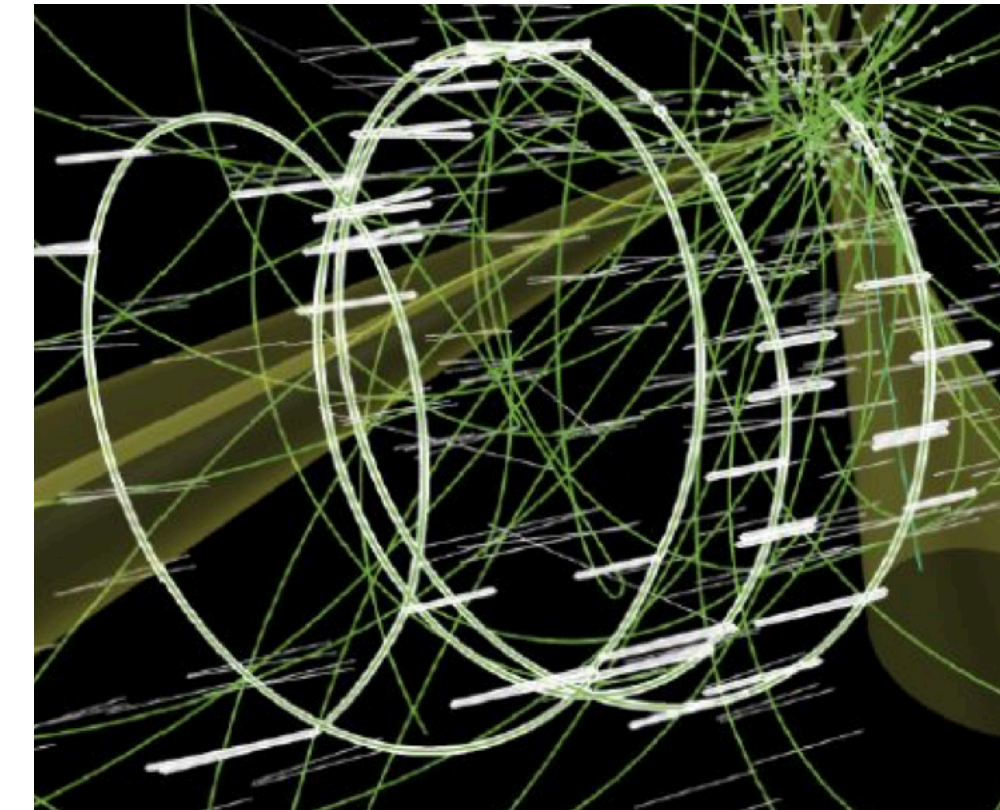
Radiation tolerance for next generation MAPS



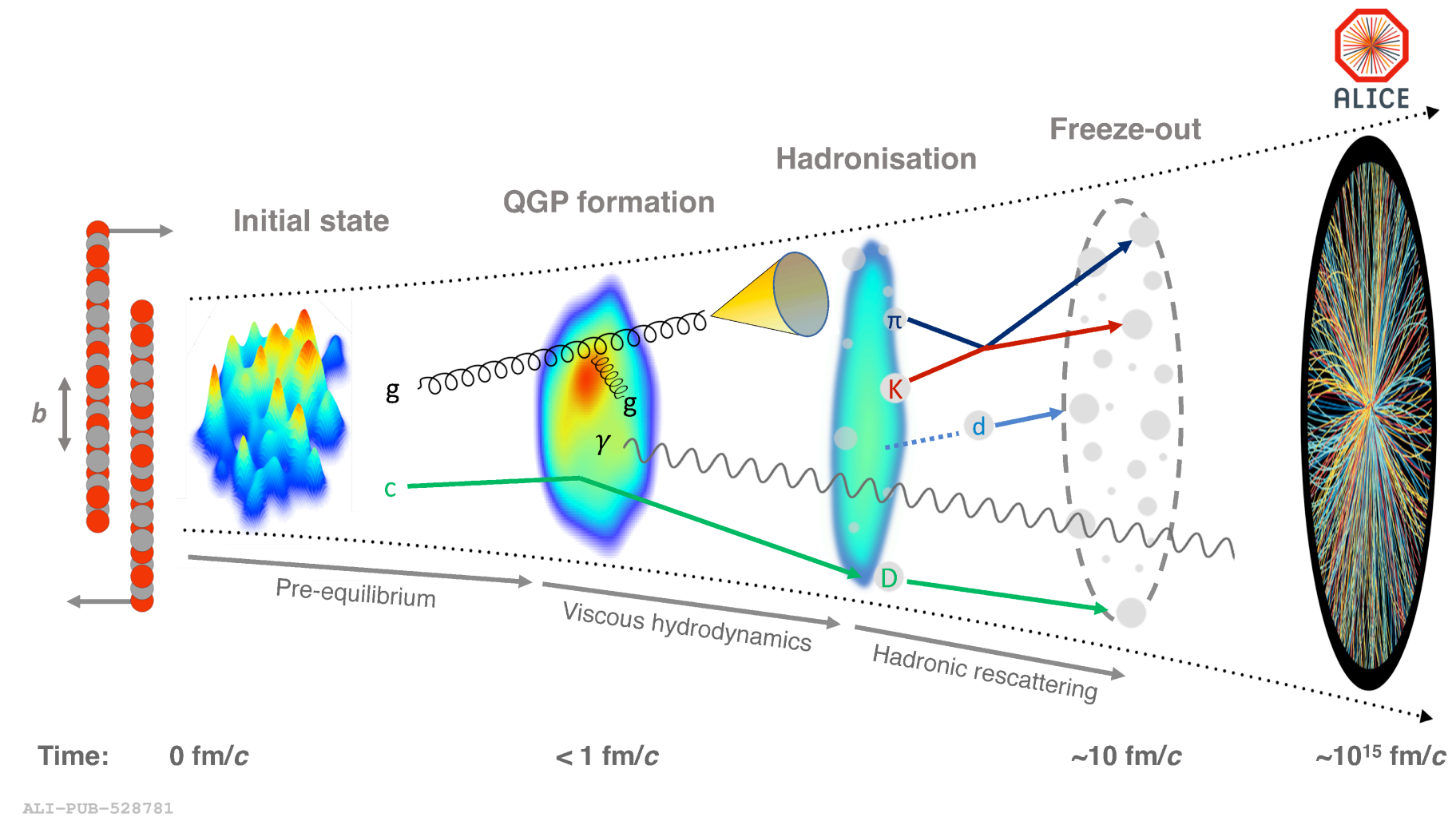
TCAD simulations



4D tracking

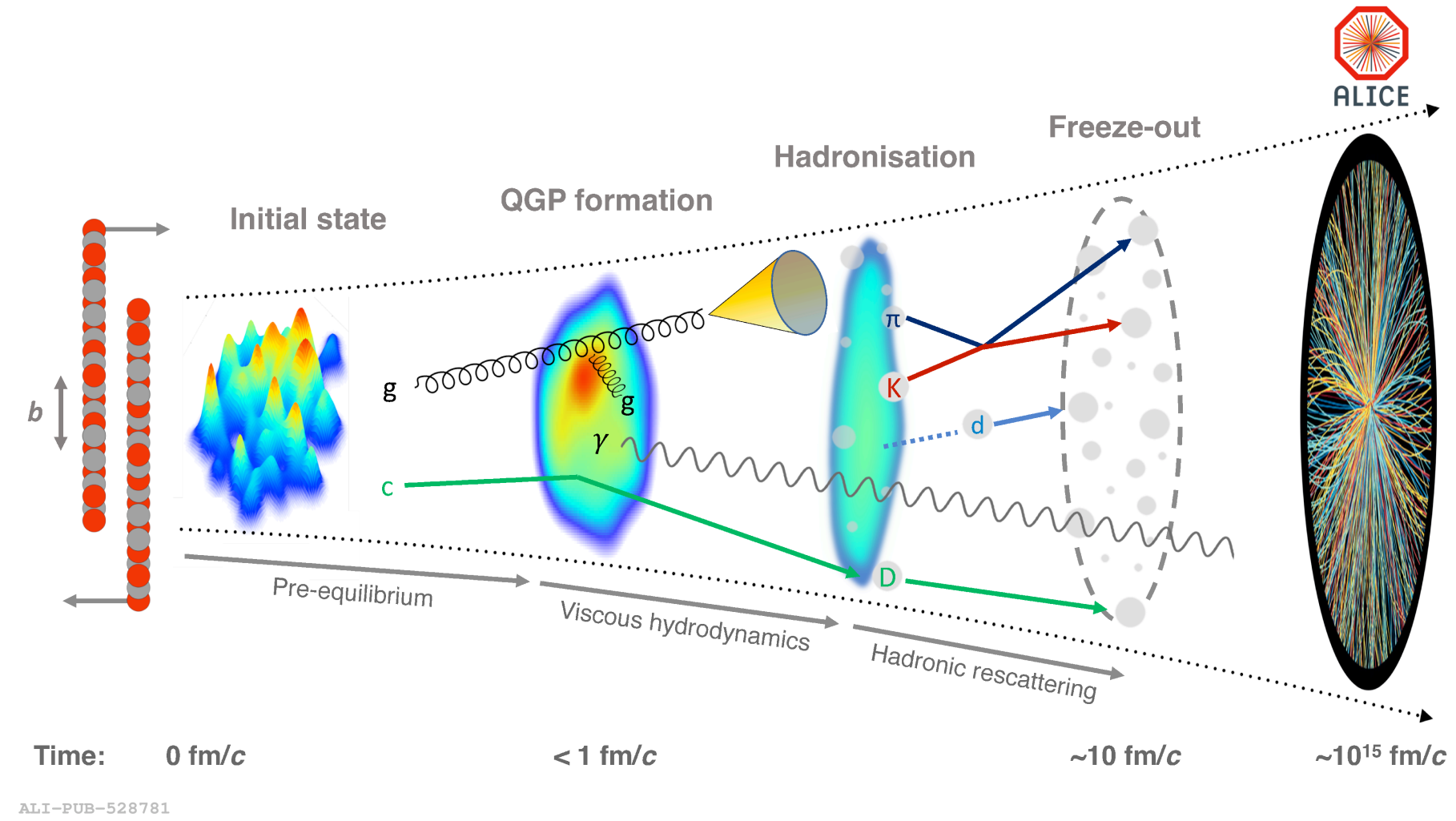
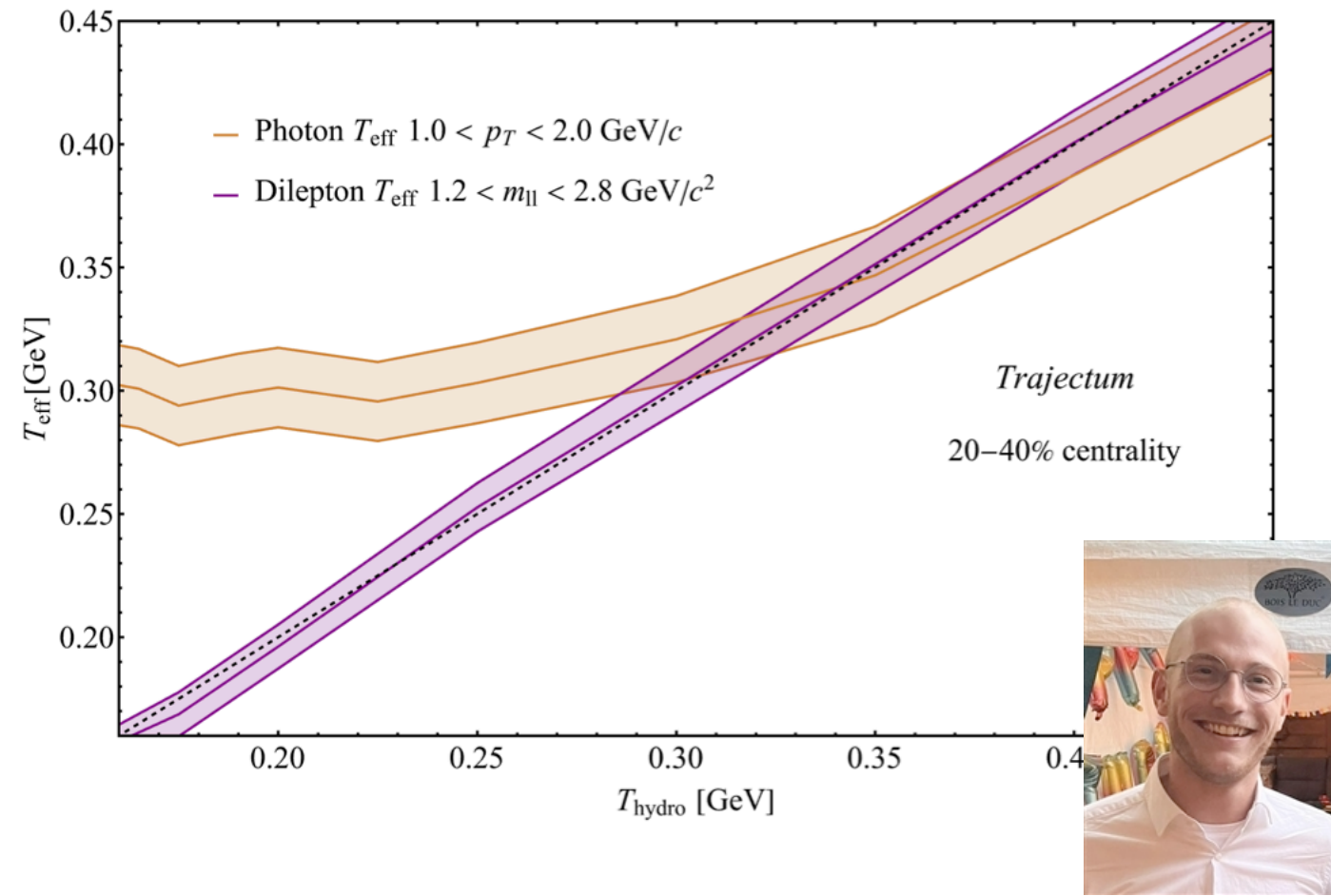


DATA ANALYSIS AND INTERPRETATION

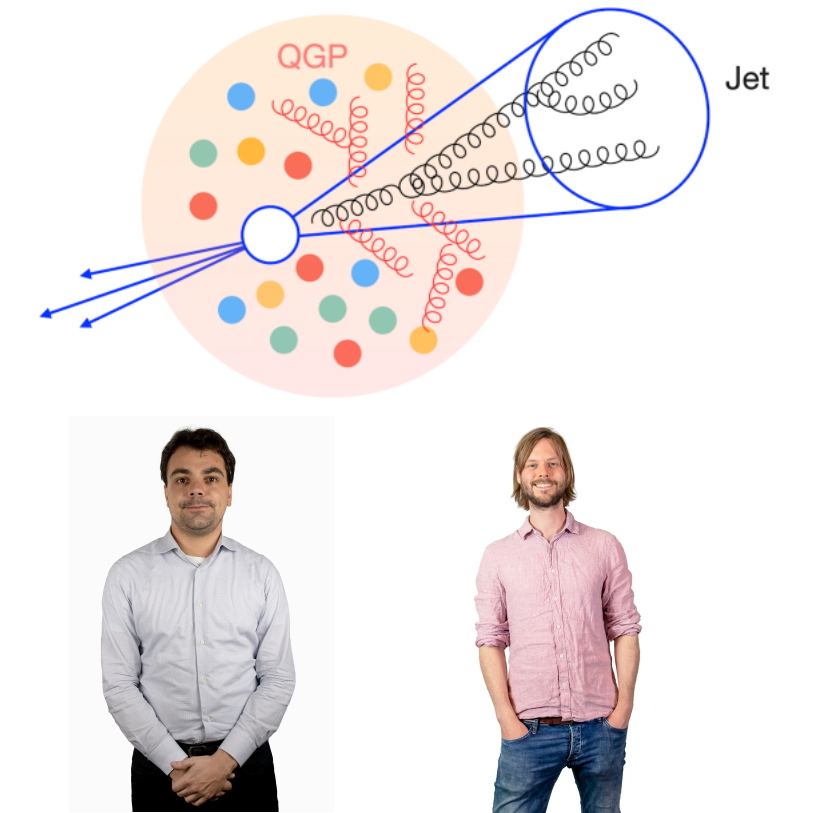


DATA ANALYSIS AND INTERPRETATION

Extraction of effective temperature

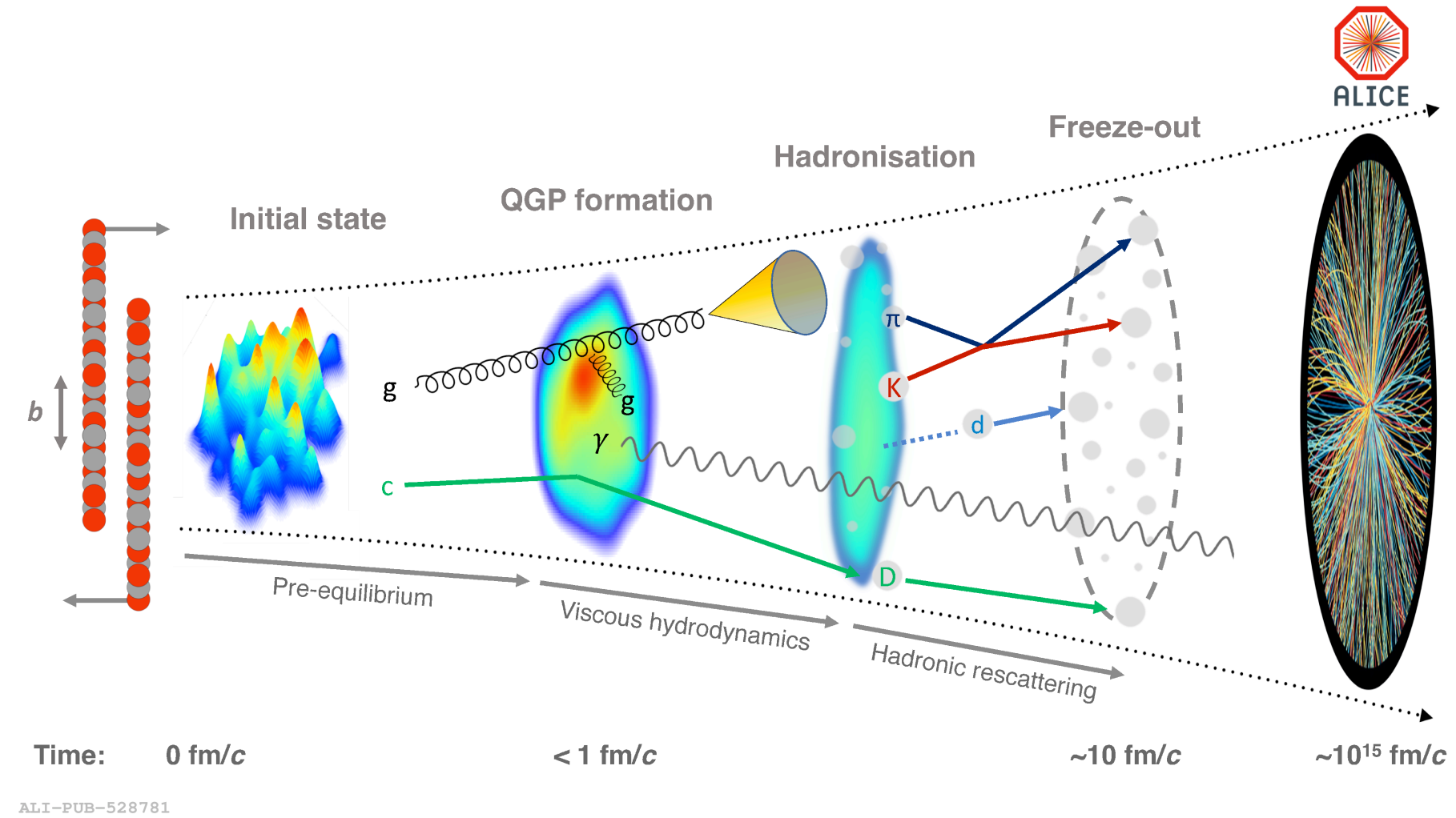
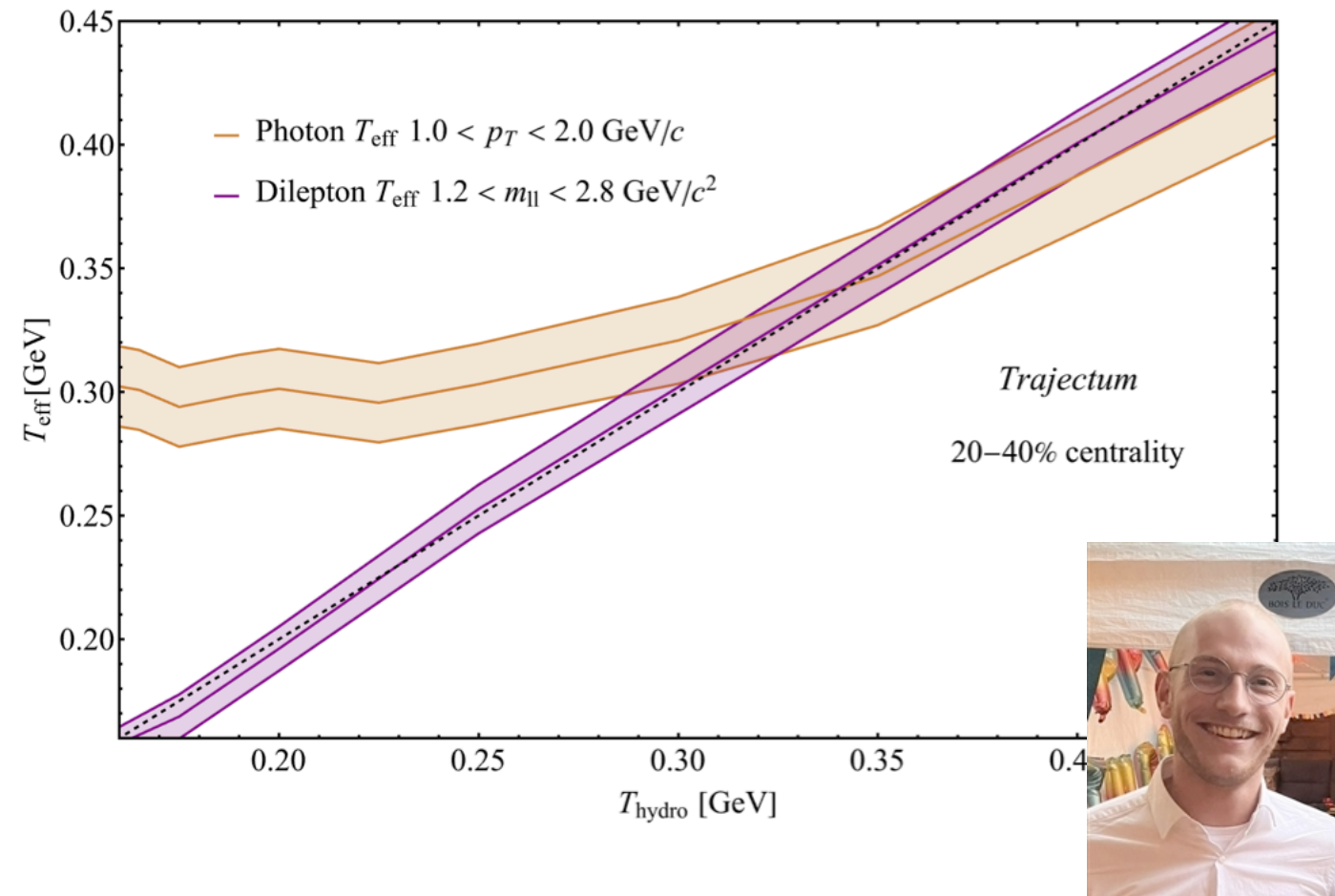


Jet substructure

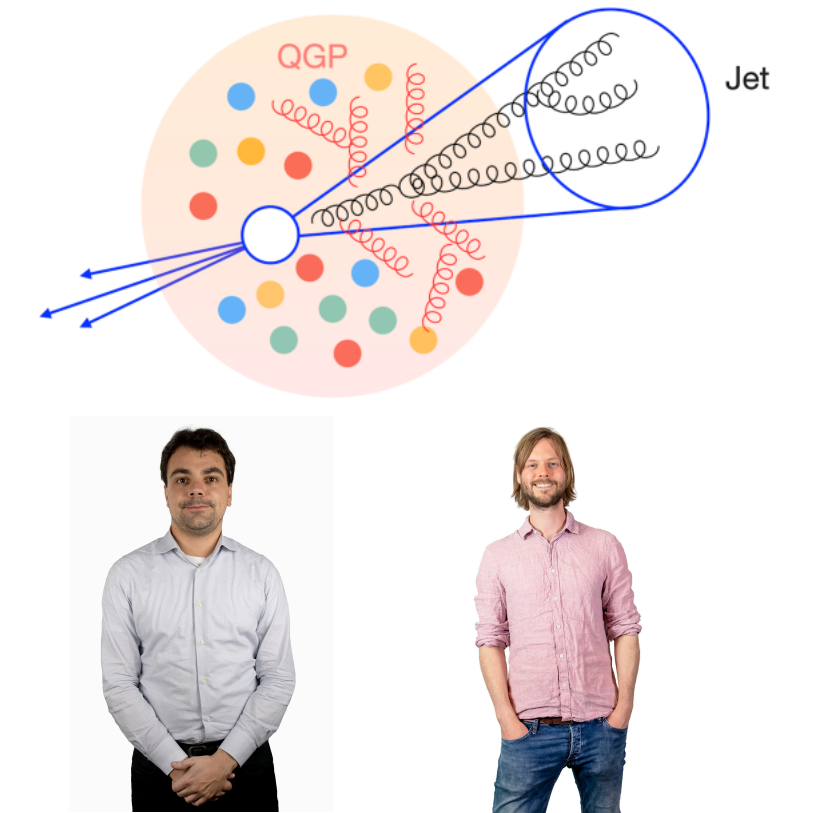


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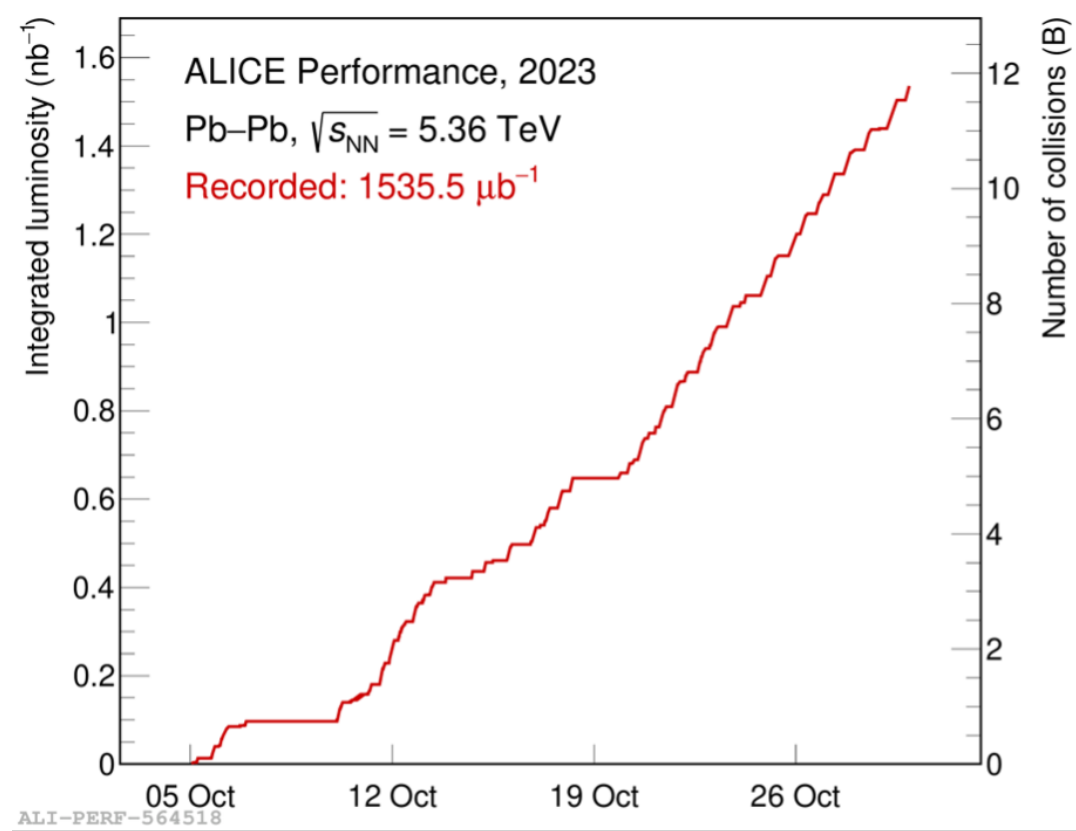
Extraction of effective temperature



Jet substructure

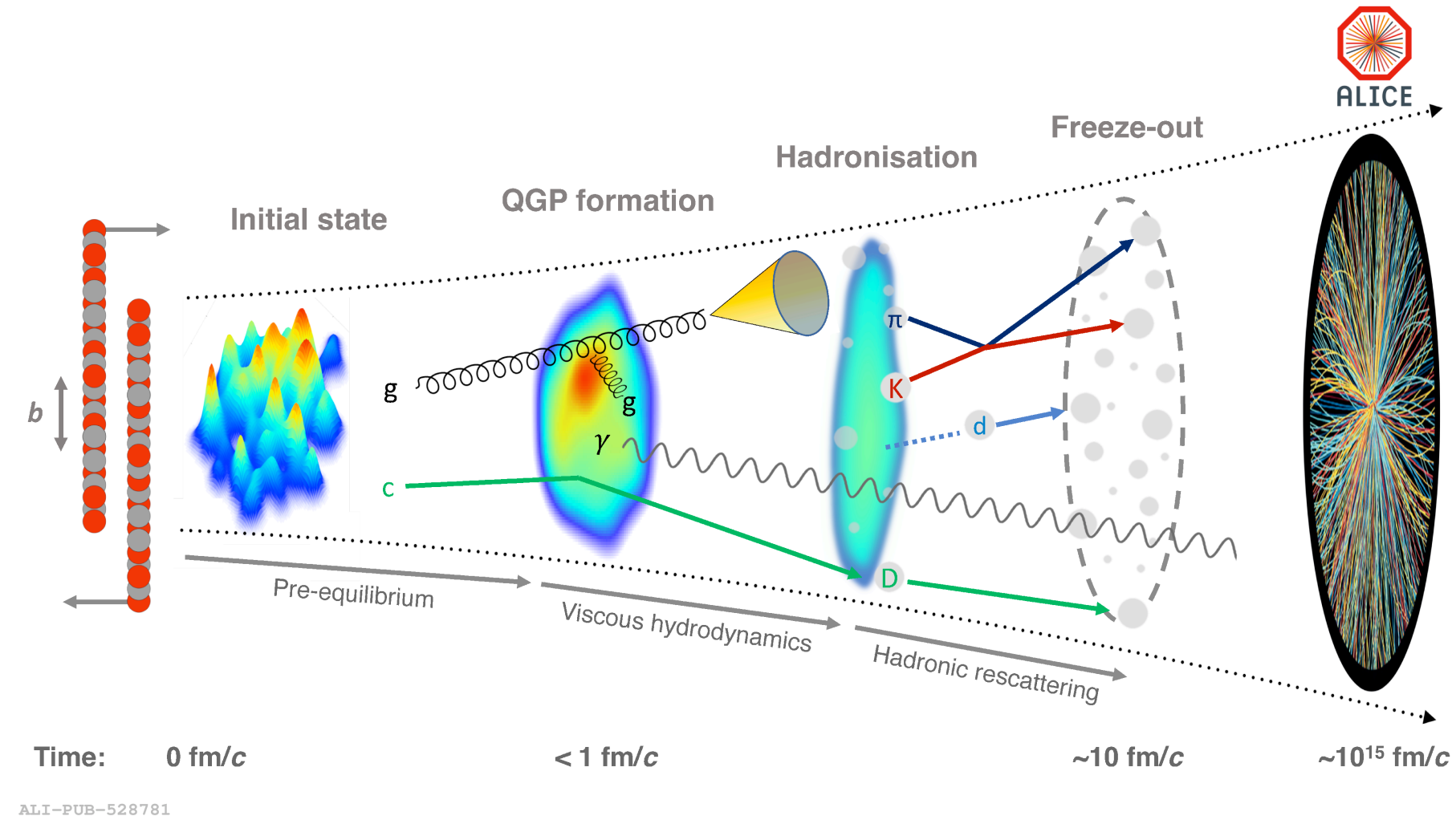
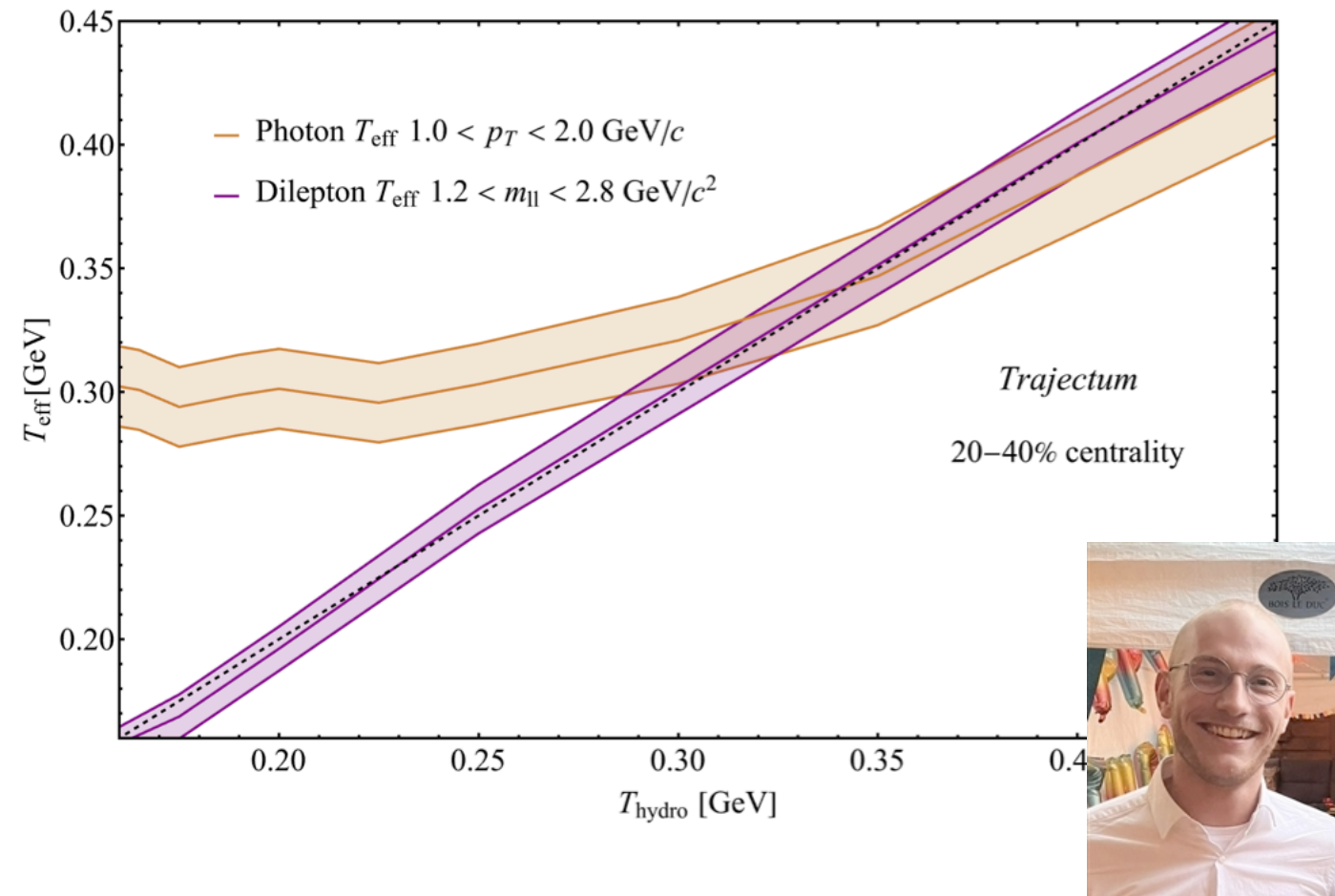


RECORDED 40 TIMES MORE DATA THAN RUN 1+2!

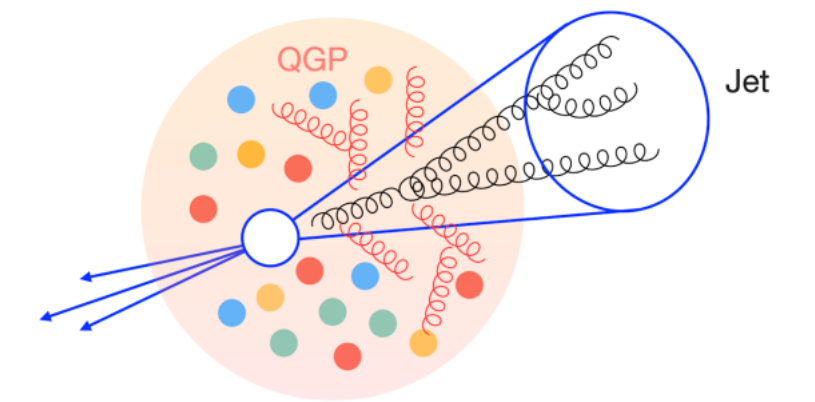


DATA ANALYSIS AND INTERPRETATION

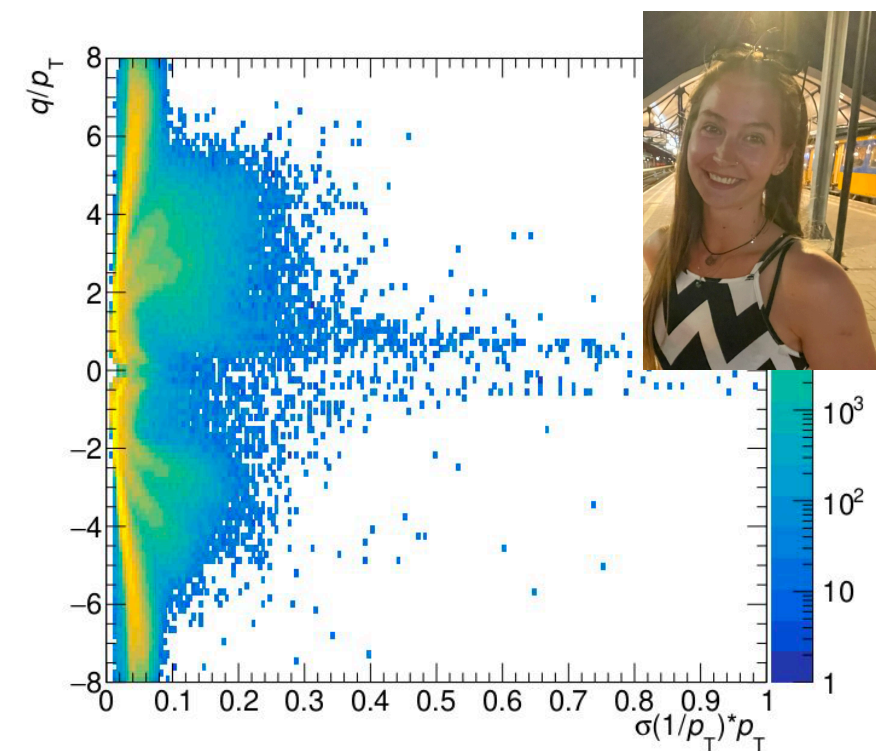
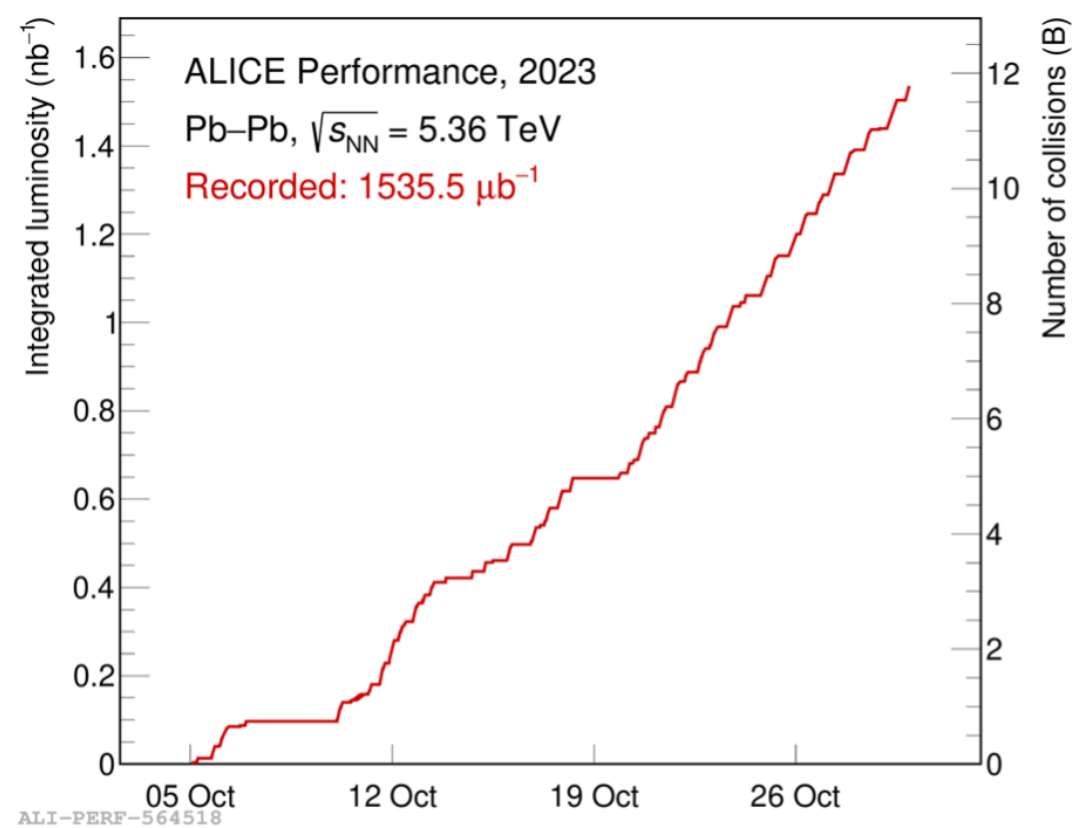
Extraction of effective temperature



Jet substructure

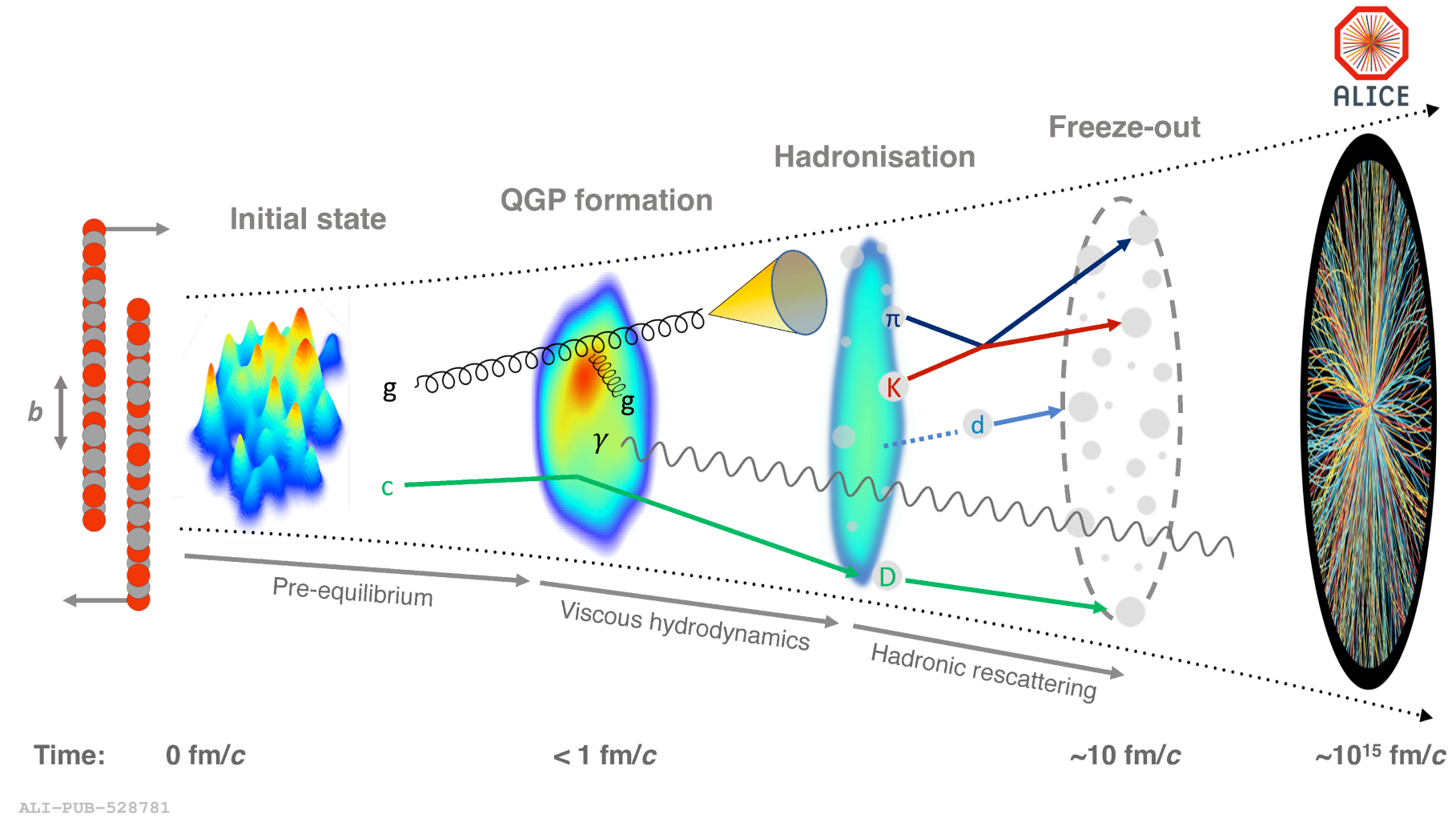
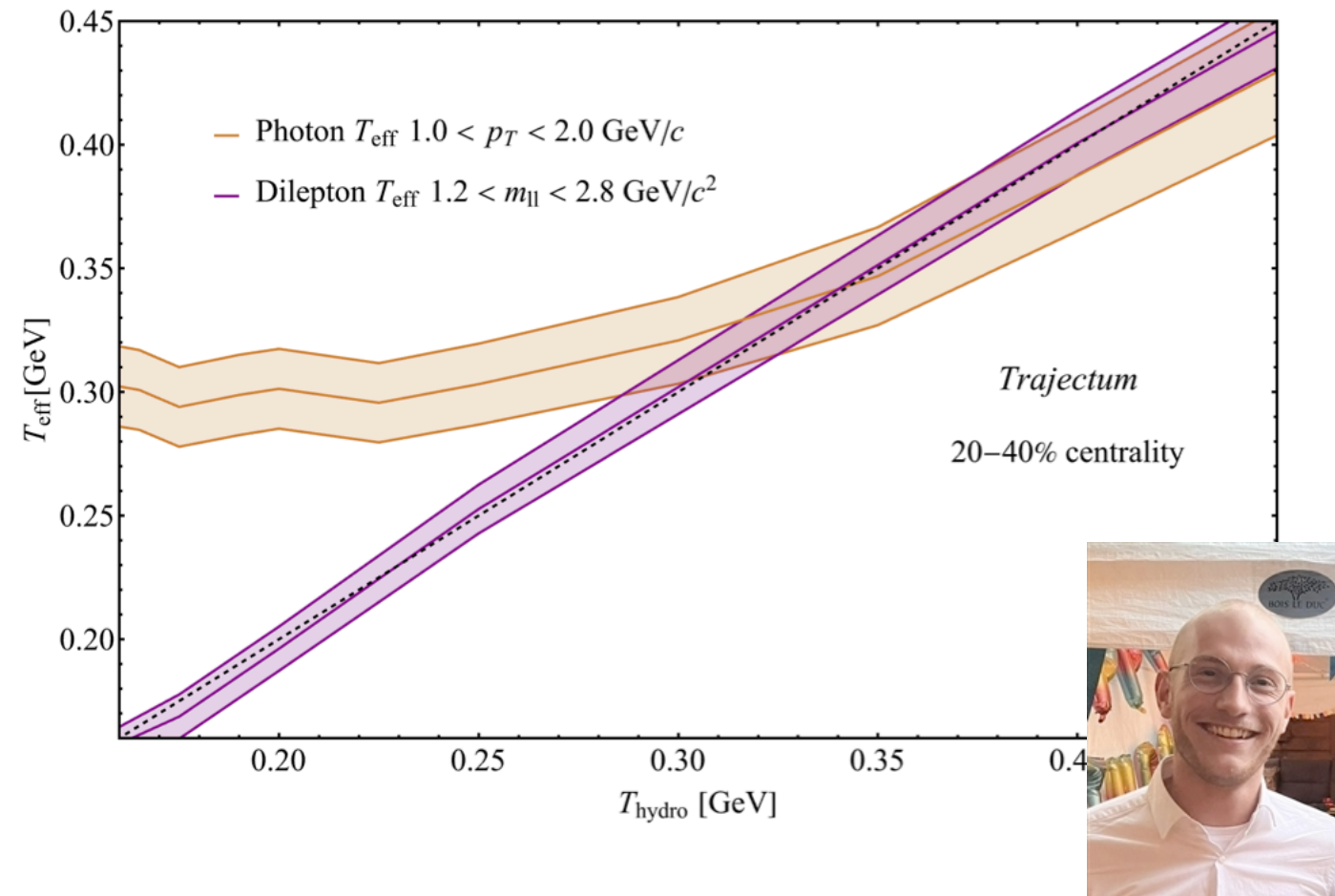


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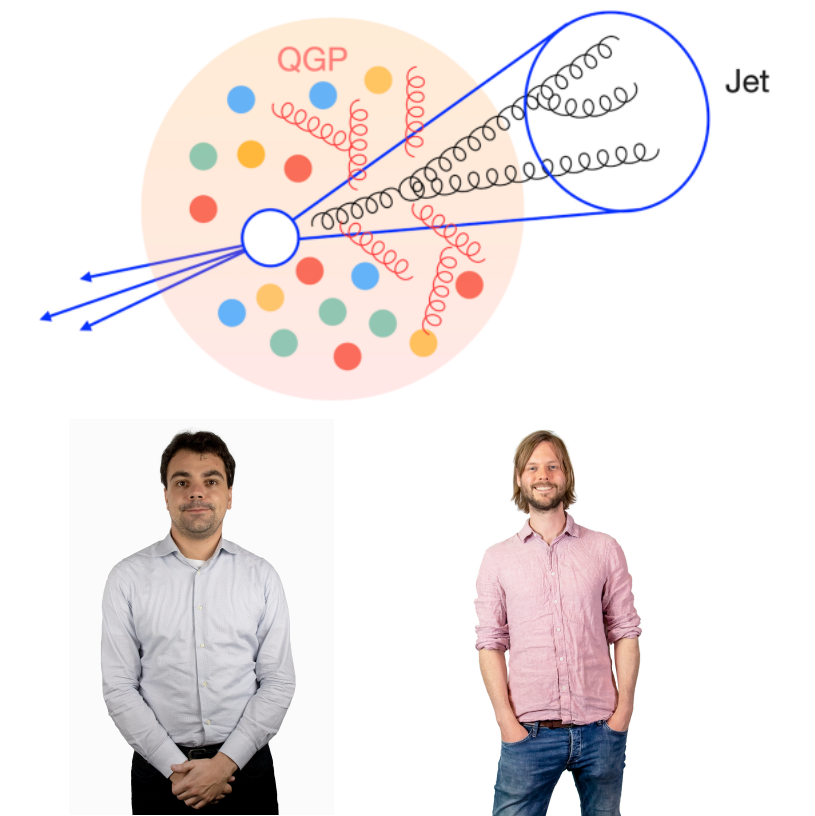


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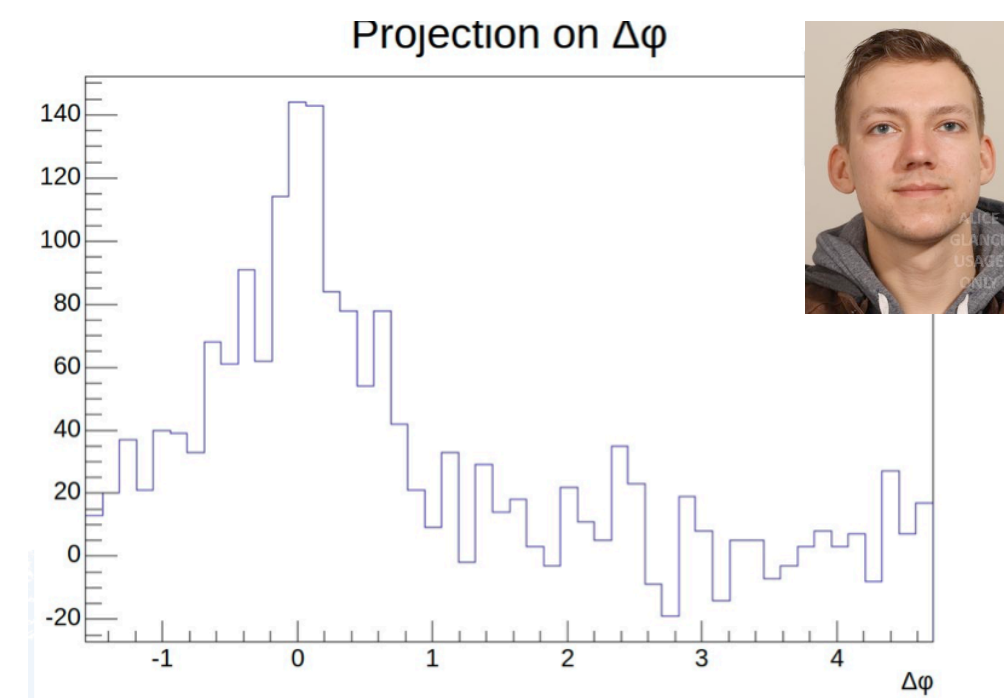
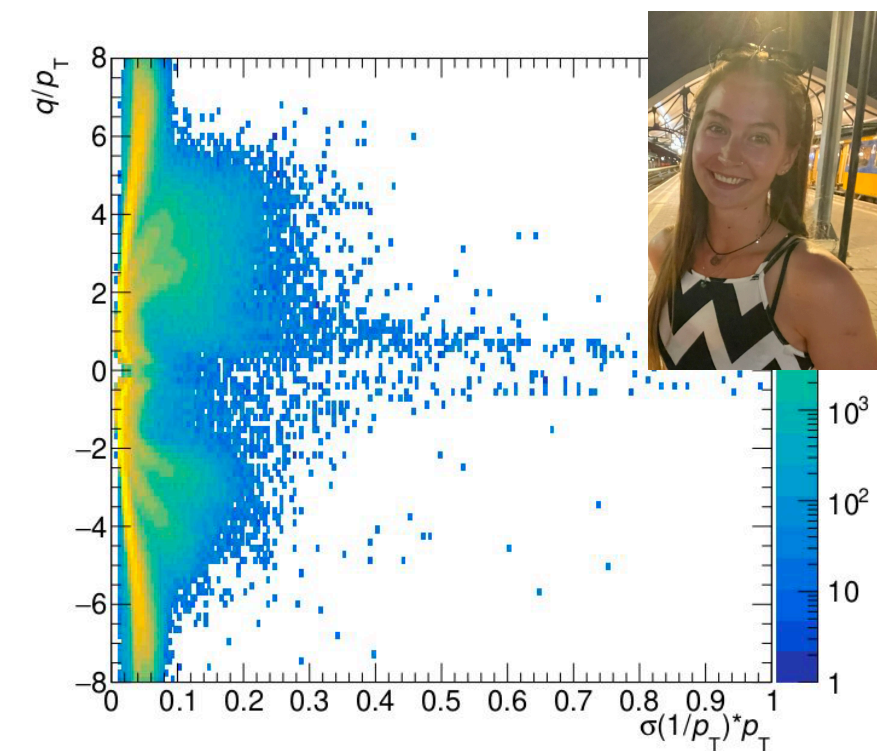
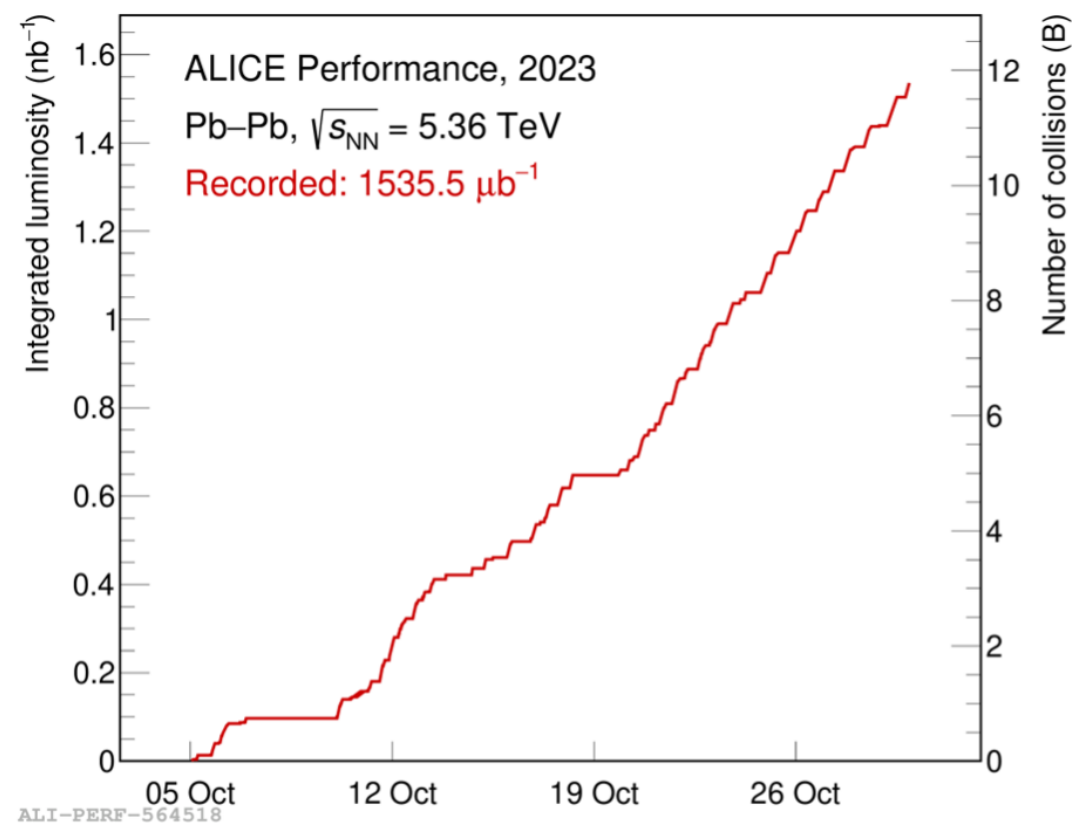
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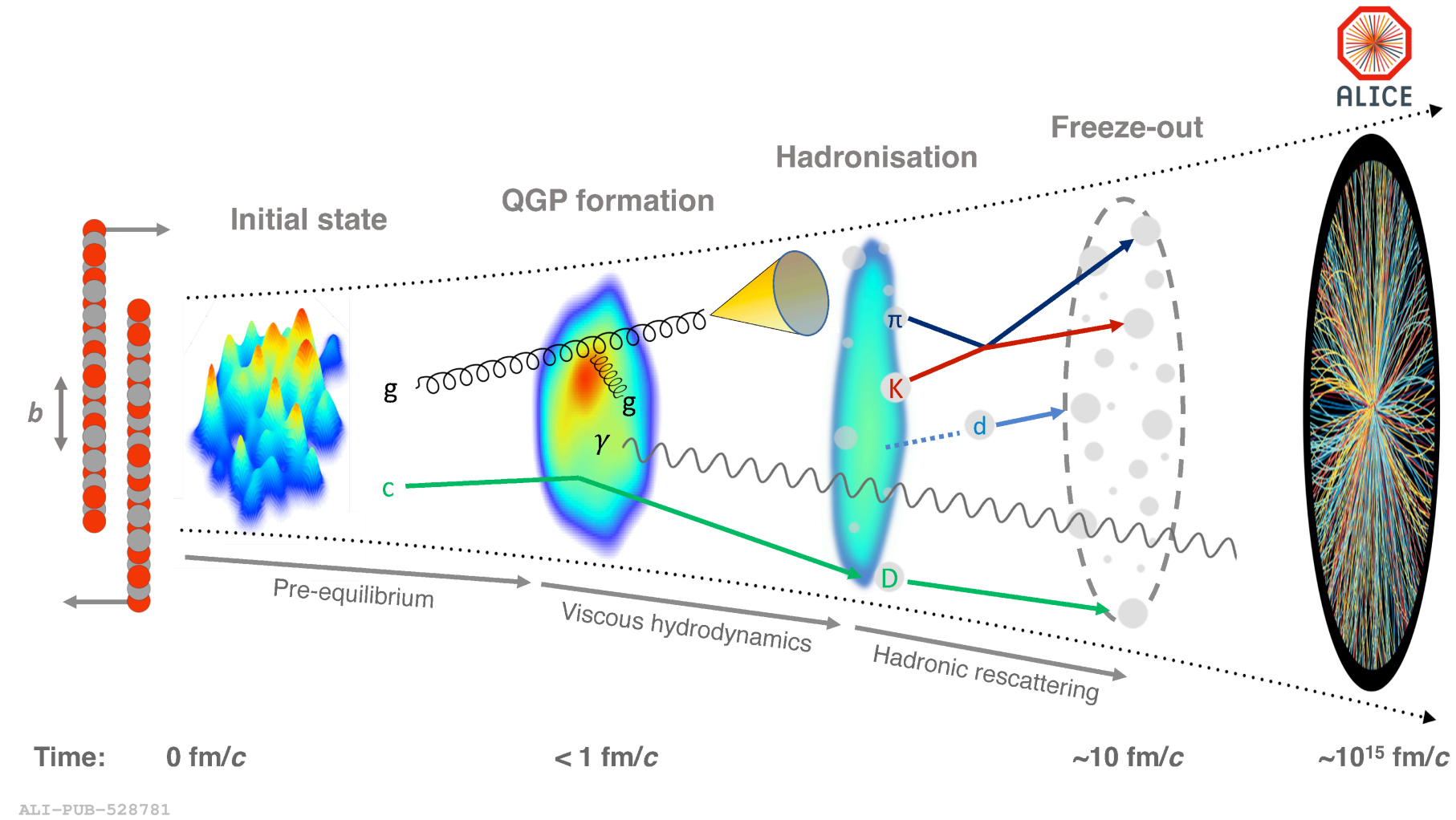
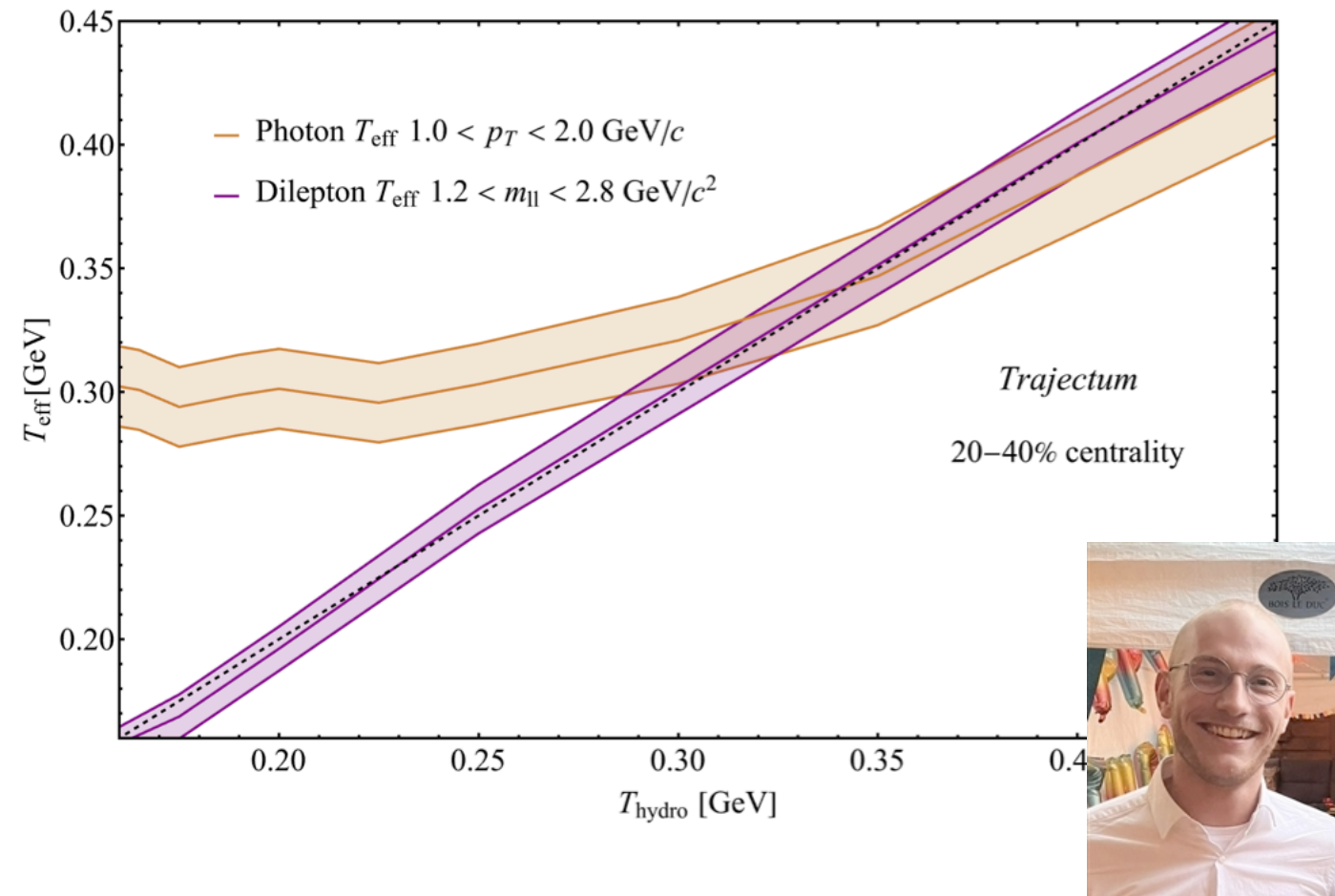


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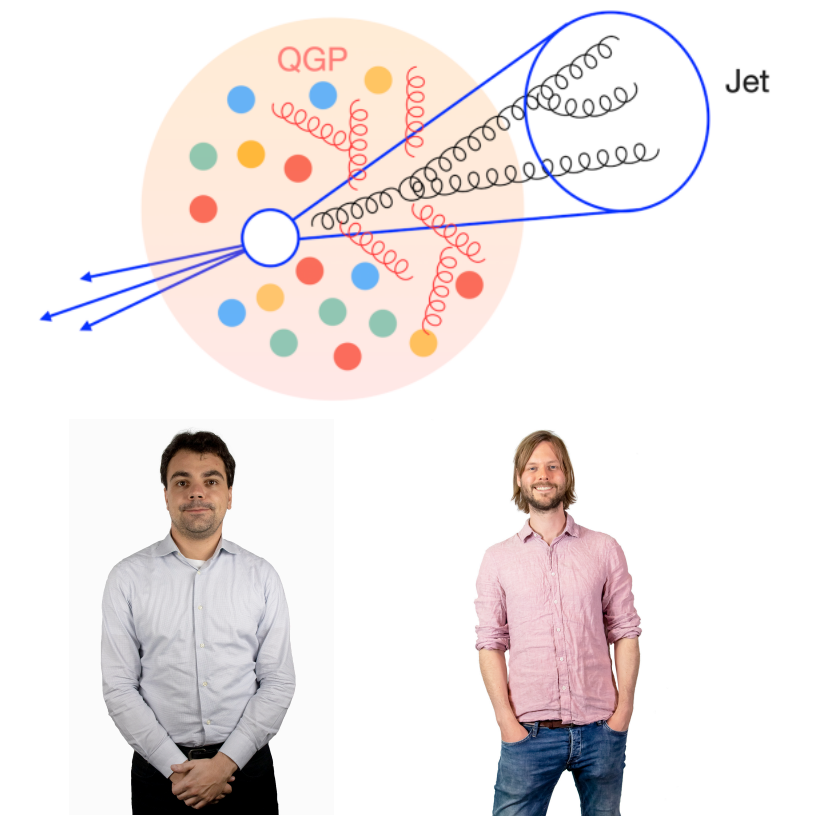


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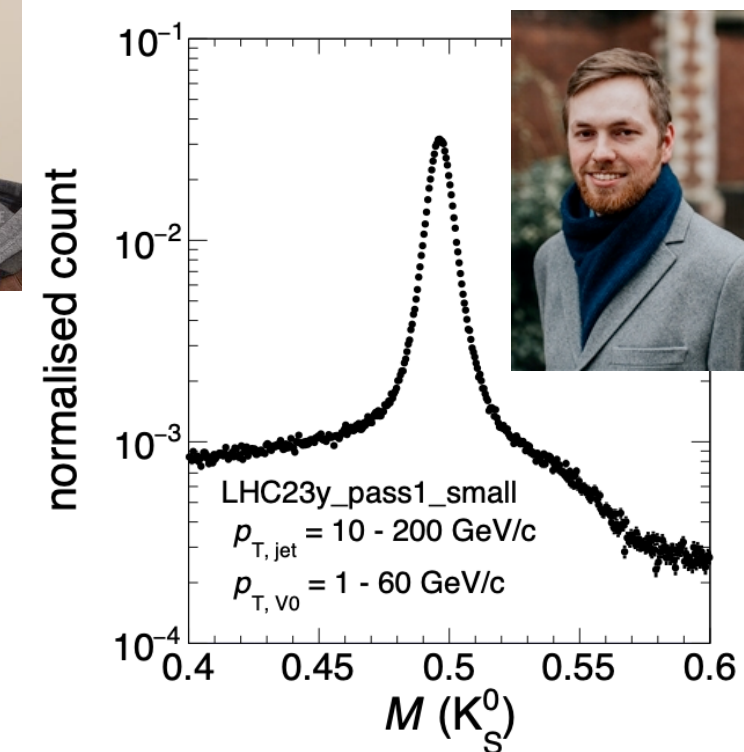
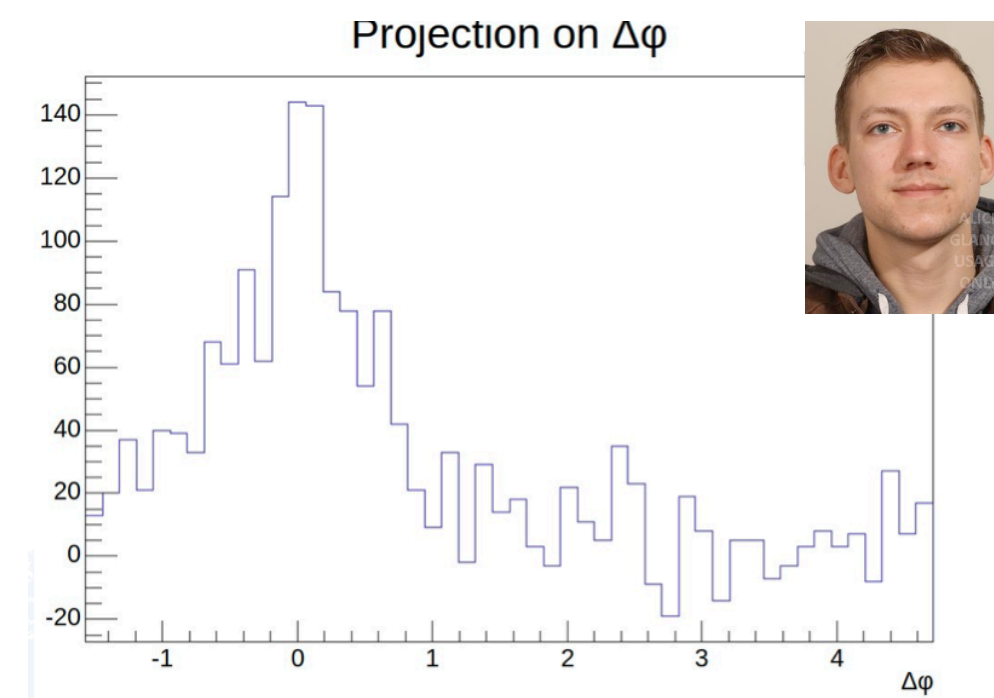
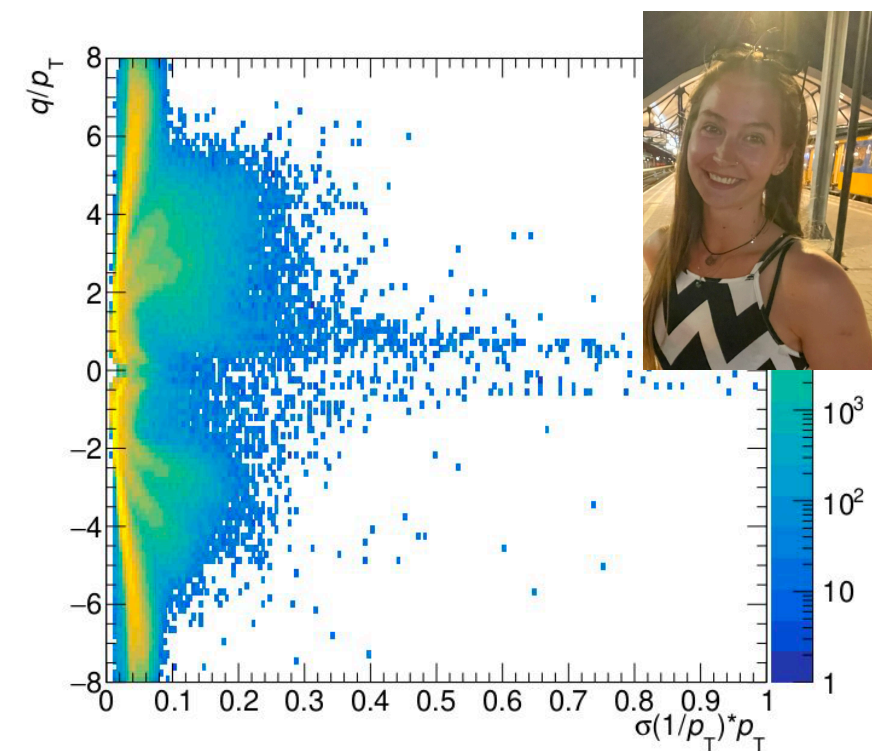
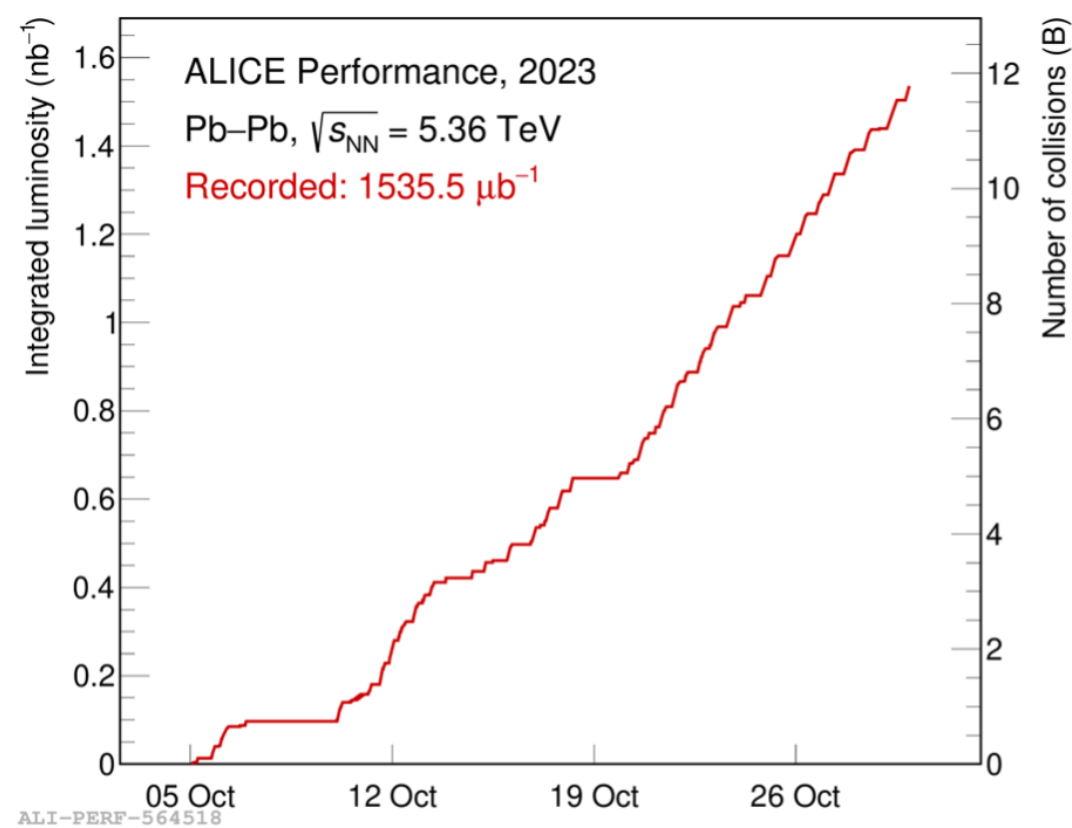
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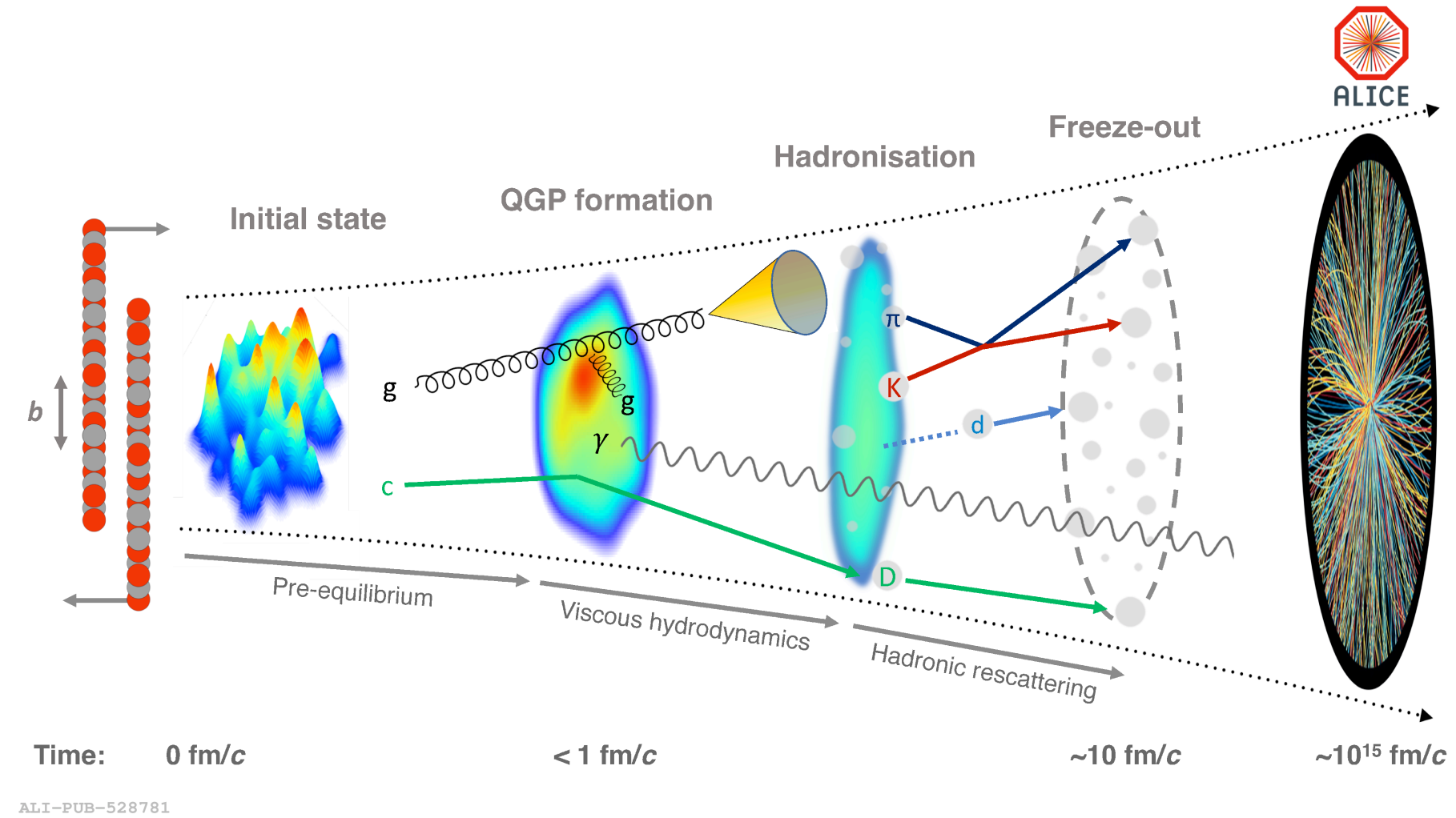
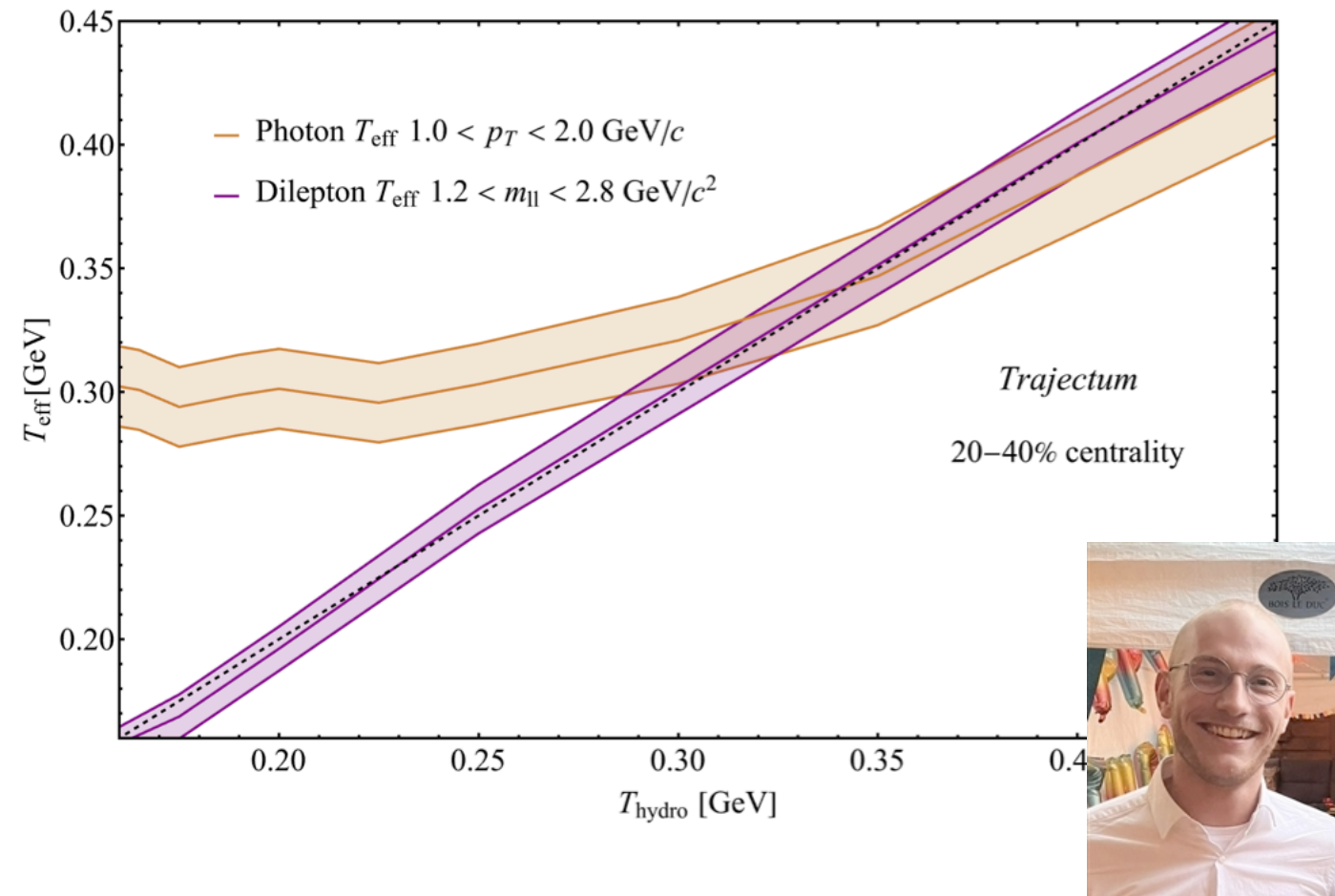


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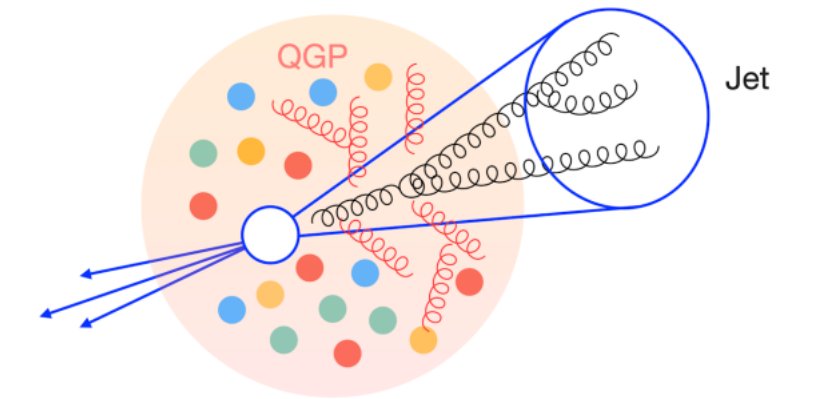


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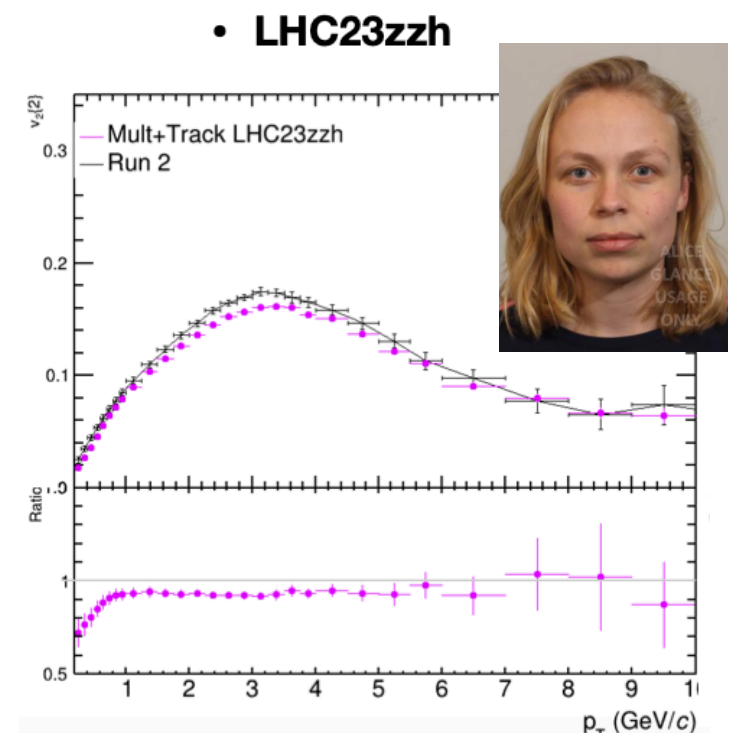
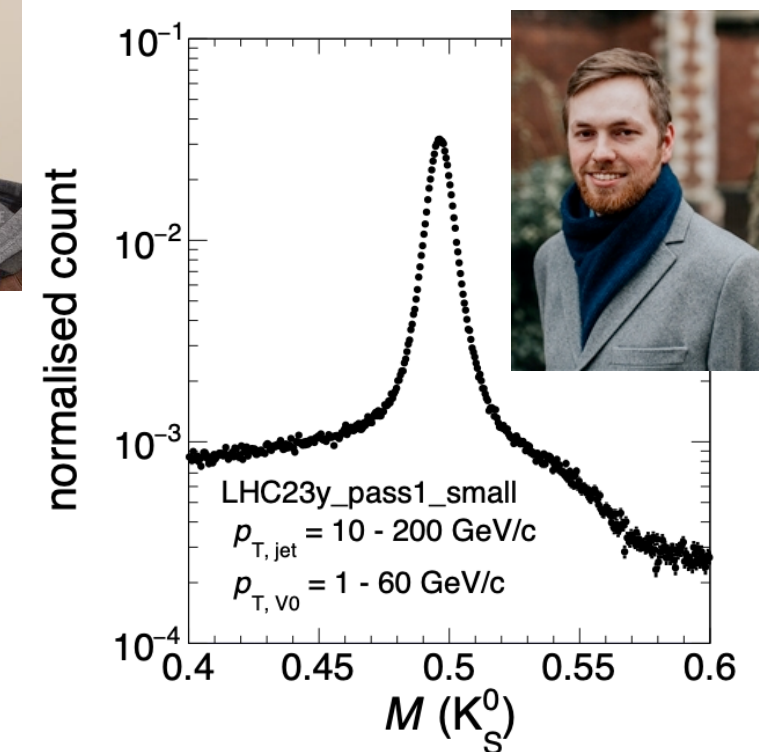
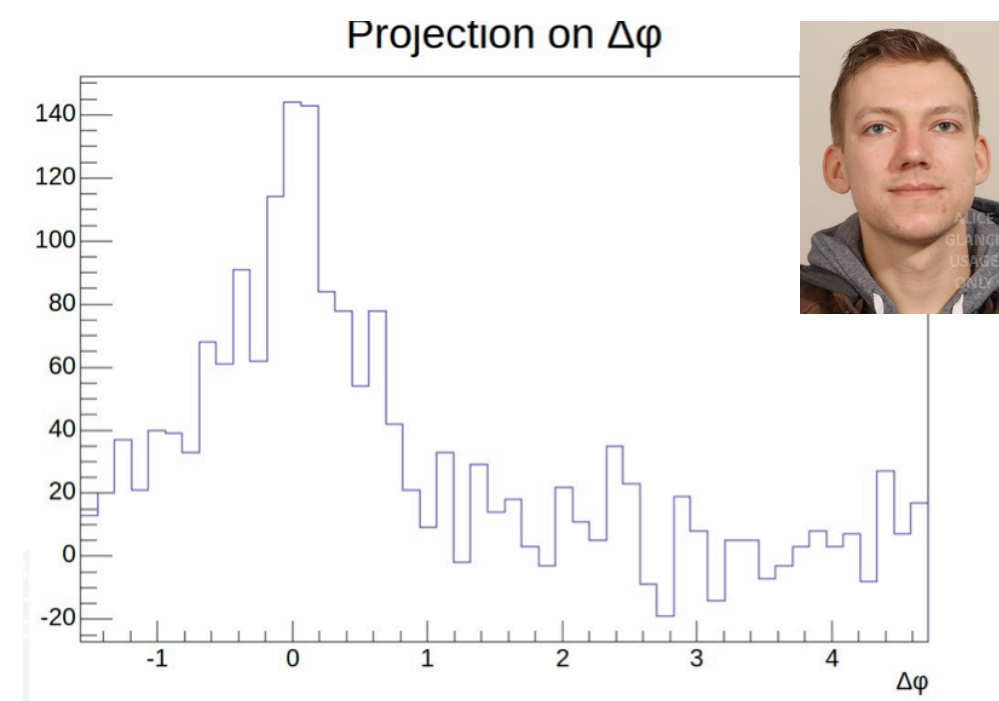
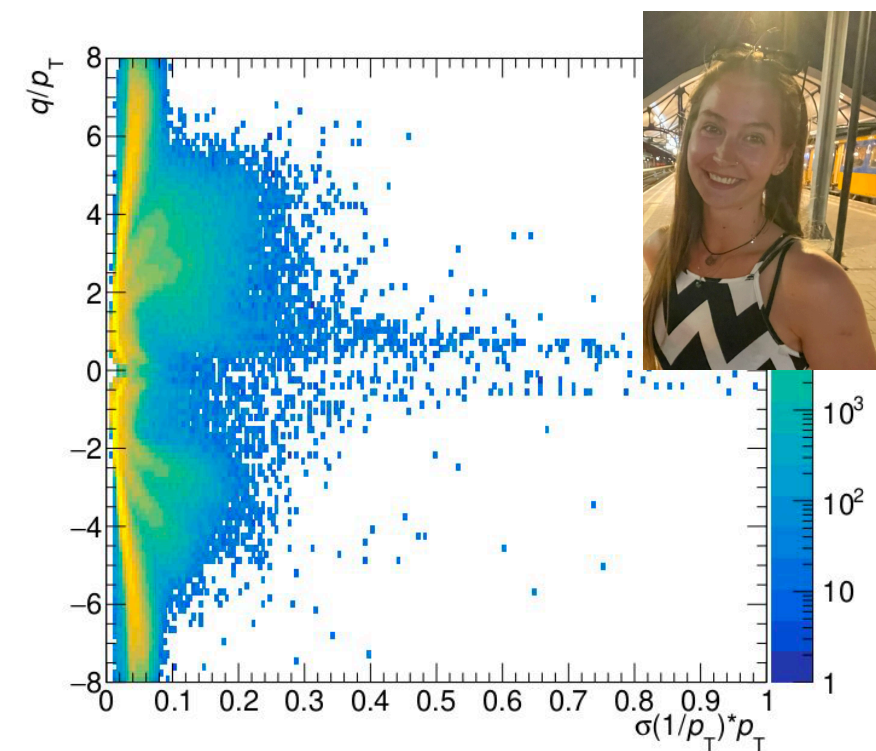
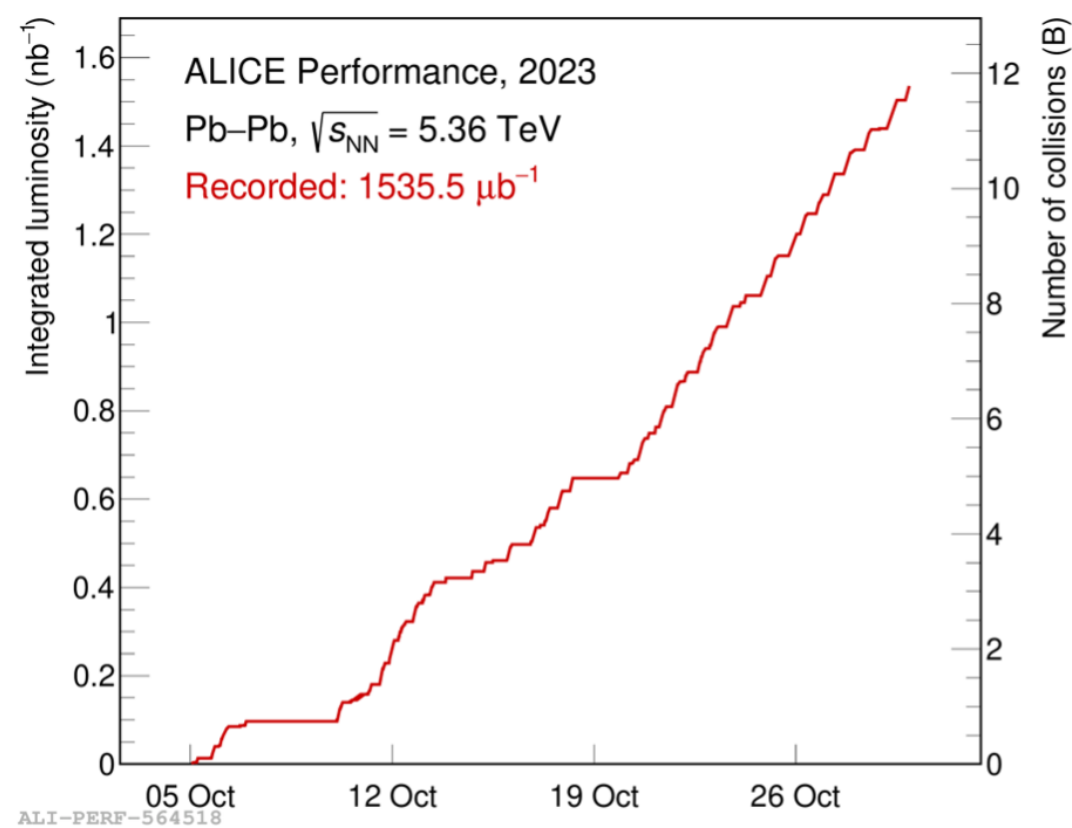
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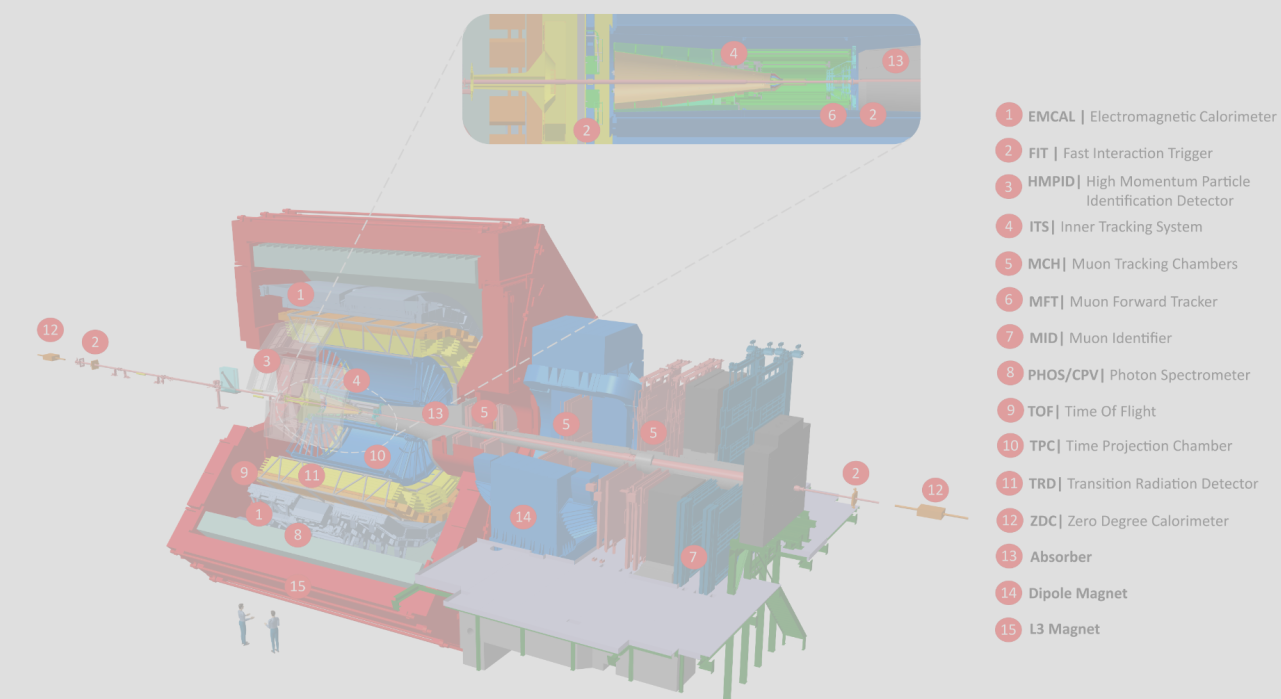
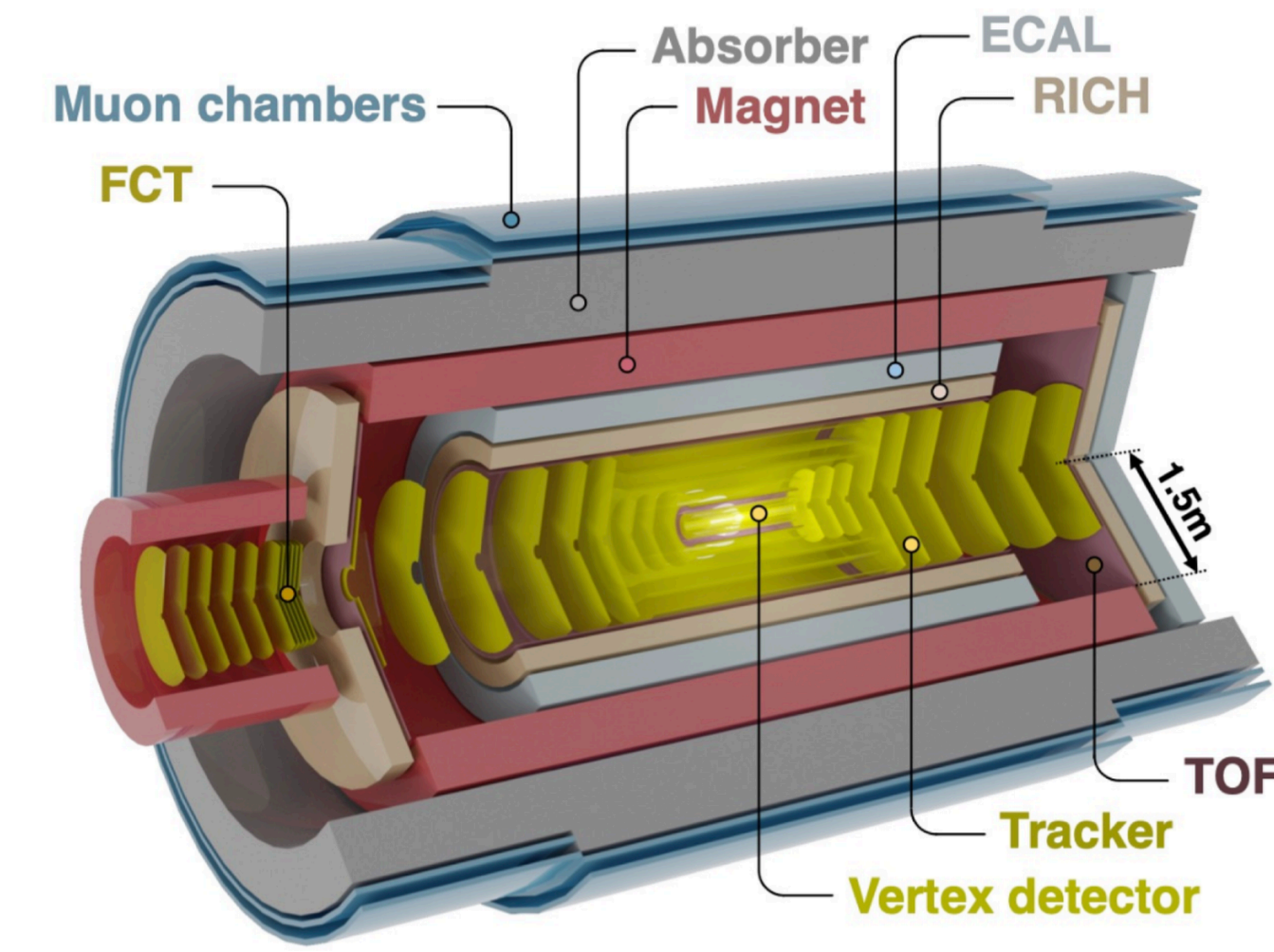
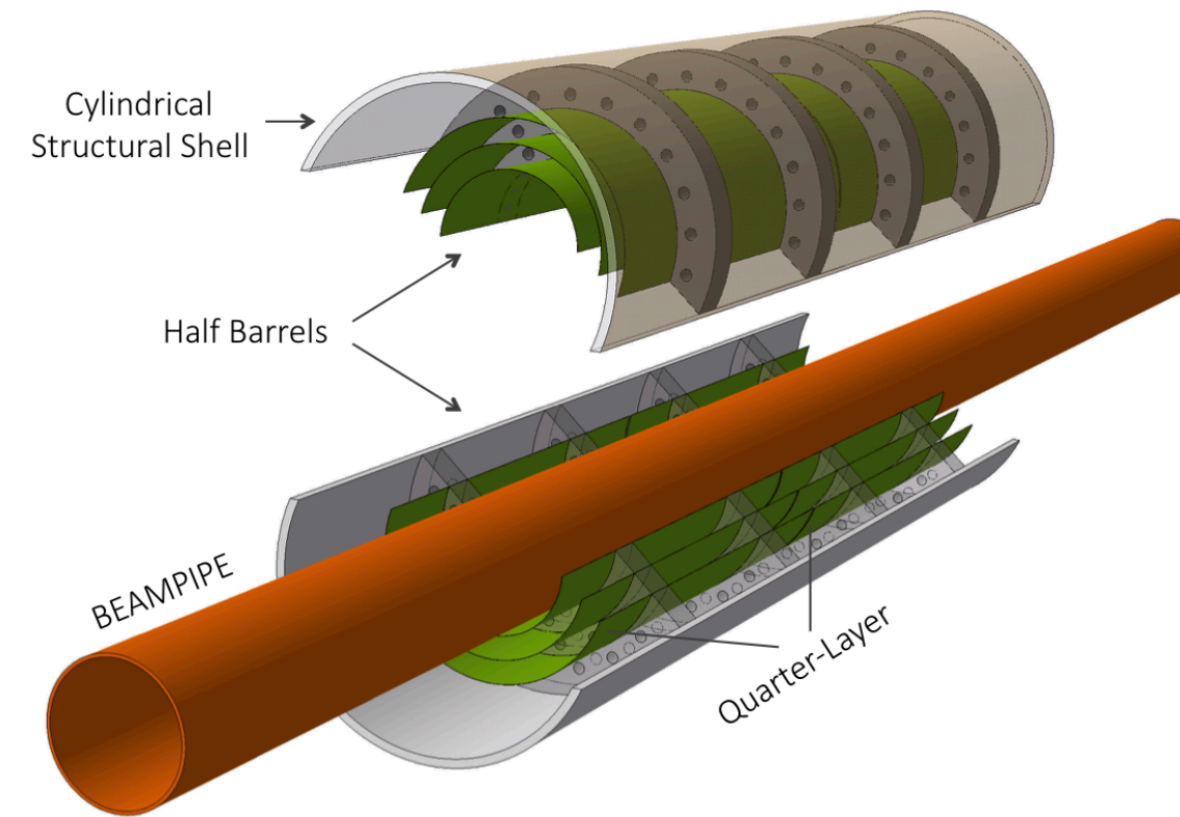
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LOOKING AHEAD...

Completed major upgrade during LS2

- TPC, forward muon tracker
- ITS2 3+2+2 layers of MAPS
 - NIKHEF/UU contribution



ITS2 → ITS3

- Replace 3 innermost layers
 - Bent, wafer-scale monolithic pixel sensors
 - Move from water to air cooling

FOLLOW THE ALICE TALKS...

Hardware activities



Alessandro Grelli

Jet substructure



Bas Hofman

