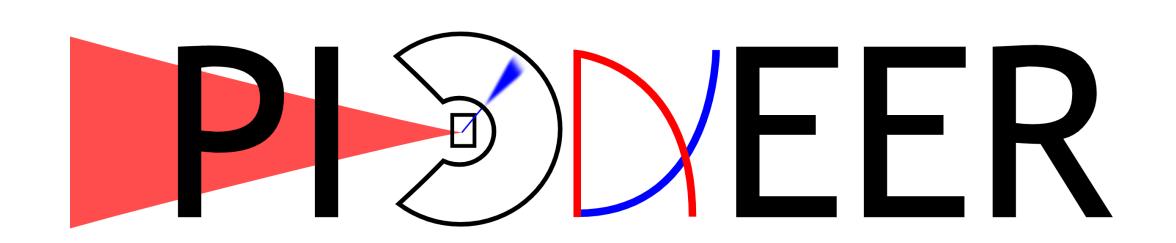
Opening: Postdoctoral Research Fellow



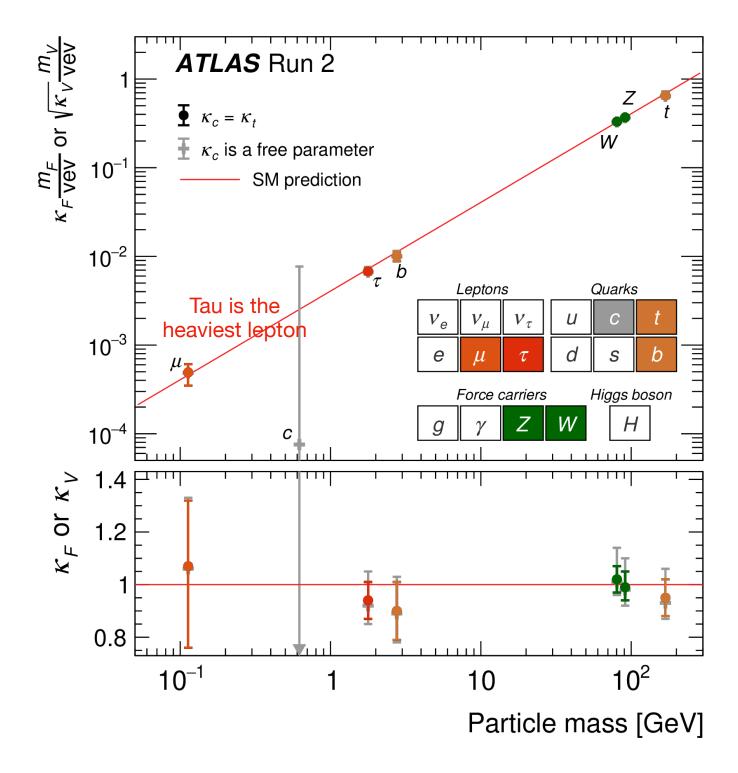
UNIVERSITY of WASHINGTON

Quentin Buat



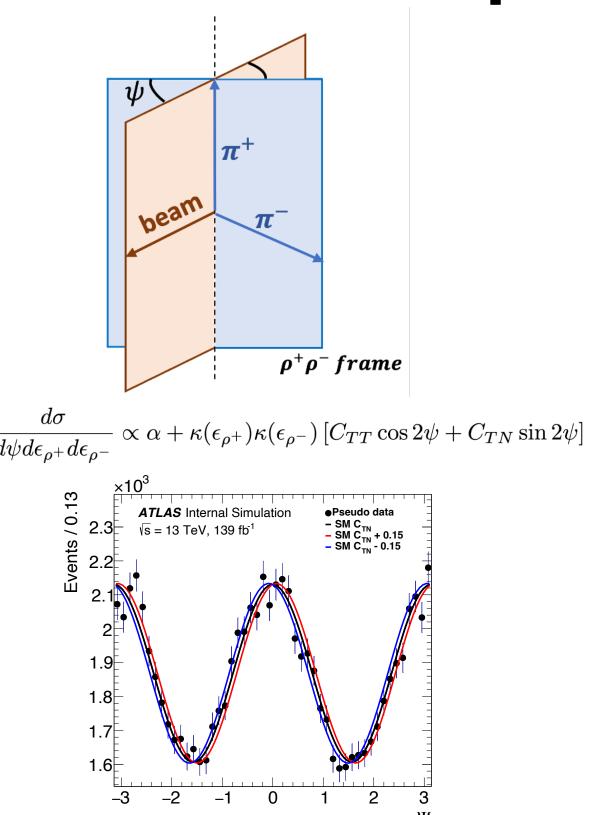
ATLAS Program

Electroweak measurement with tau leptons





 $H \rightarrow \tau \tau$ is the most sensitive fermionic channel



Search for CP violation in the charged lepton sector using $Z \to \tau \tau$ events





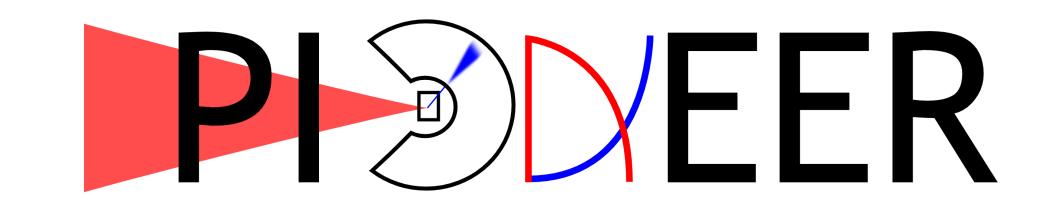
Tau CP: foundational models for tau reco

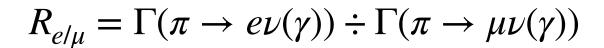
Tau Trigger: new trigger algs, operations

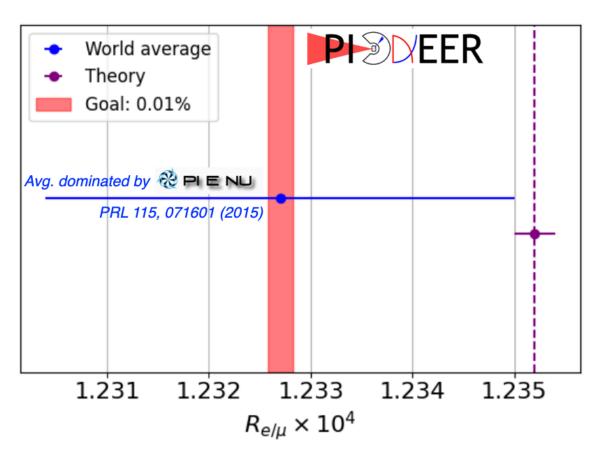
PIONEER Program

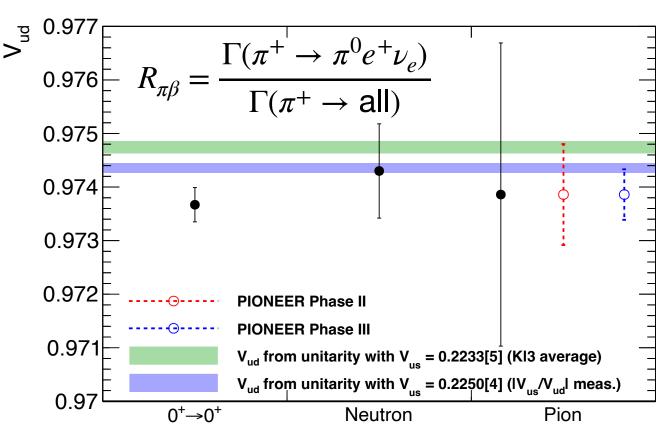
Data Source

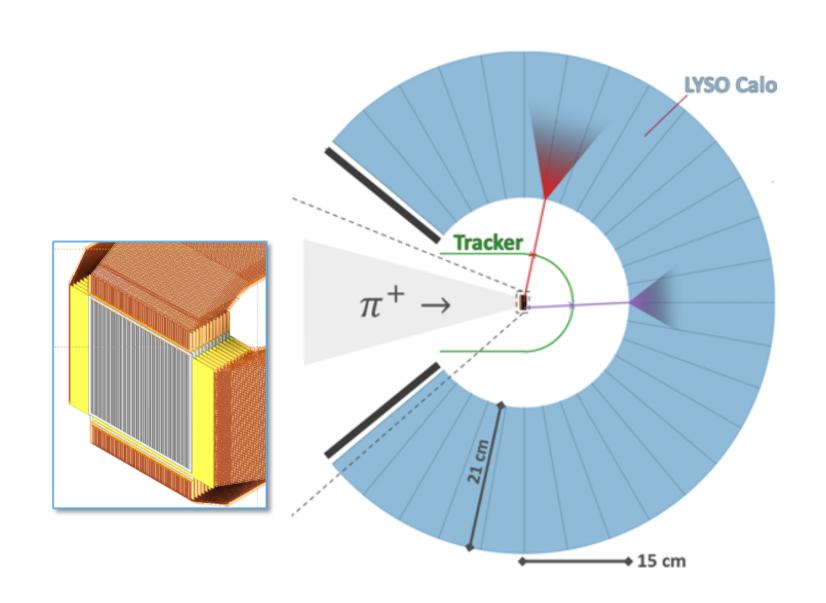
Rare pion decay measurements











Development of a high granularity 5D tracking device using LGADs

Opportunities:

Simulation work

Detector prototyping

Test beam campaigns at PSI (near Zurich)

The position

For more information: qbuat@uw.edu

- Based at CERN or Seattle
- Primary objective is to conduct EWK measurements with tau leptons at ATLAS
- 1 year renewable upon funding availability and mutual agreement (typically up to 5 years)
- UW has large efforts on ATLAS (5 Pls) and PIONEER (3 Pls), ideal environment to make important contributions to both projects
- Application deadline: December 15
- Anticipated started as early as Feb 2025 but flexible
- Interfolio: https://apply.interfolio.com/158065

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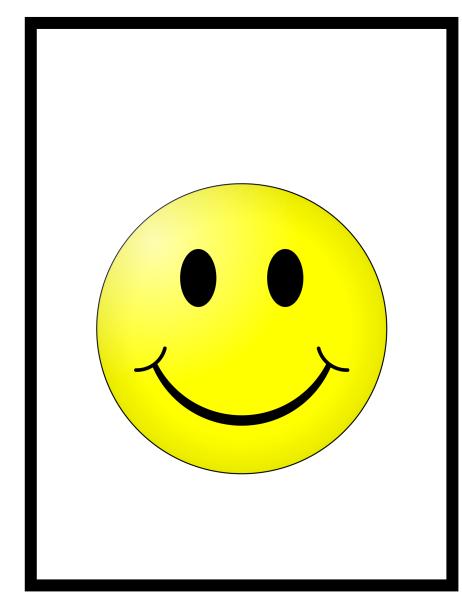


Seattle Campus

Buat Group at UW



Quentin Buat



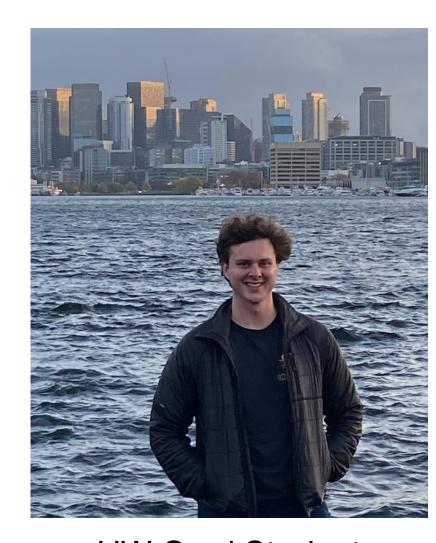
New Postdoc



UW Grad Student Jessie Yang



UW Grad Student Ali Garabaglu



UW Grad Student Miles Cochran-Branson



UW Undergraduate Student Matt Foresi