Profile Overview

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General Studies Department Area of Mathematics and Physics

Who am I?

- Masters & Ph.D. at PUC-Rio (Pontifical Catholic University of Rio de Janeiro)
- Posdoc at CBPF (Brazilian Center for Research in Physics)
- Performed Data Analysis at LHCb (Large Hadron Collider beauty)
- Co-Developer of Rio+ (a C++ tool for Amplitude Analysis)
- Faculty at EAP-Zamorano (Honduras)

Who am I?

- Used Rio+ in Dalitz Plot Analysis
- ullet D o hhh specially D o $\pi^+\pi^+\pi^-$
- Performed a Model Independent Partial Wave Analysis for the first time in the $D \to \pi^+\pi^+\pi^-$ decay
- Also worked in $B \rightarrow hhh$
- Now, as a developer of AA fitting tools, I am striving to include tools from Topological Data Analysis (TDA).
- My ultimate aim is contributing to build more accessible, flexible, and efficient tools for our community.

CALL TO ACTION AND WORKSHOP EXPECTATIONS

- (This is why I'm here today:) I'm seeking feedback, suggestions, and partnership to drive forward my efforts in creating more streamlined, user-friendly tools for amplitude analysis.
- I'm particularly interested in discussions around :
 - Fitting tools
 - Computational strategies
 - Ways to improve code readability and user-friendliness.
 - Topological Data Analysis (TDA) tools.

