A. PRIMARY PUBLISHED OR CREATIVE WORK

- I. Original Peer-Reviewed Work or Listing of Creative Endeavors
- a. Research Articles
- **IV. Refereed Conference Proceedings**
- **B. OTHER WORK**
 - I. Other Conference Proceedings
 - II. Abstracts
 - III. Popular Works

IV. Additional Products of Major Research

- [1] B. D'Anzi, "Search for double Higgs events produced via a vector boson fusion mechanism in the decay channel $b\bar{b}4l$ with the CMS experiment at the LHC", Presented 26 Oct 2021 (2021), https://cds.cern.ch/record/2788946.
- [1] M. I. Abdulhamid et al., "Azimuthal correlations of high transverse momentum jets at next-to-leading order in the parton branching method", Eur. Phys. J. C 82, 36 (2022), doi:10.1140/epjc/s10052-022-09997-1, arXiv:2112.10465.
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- [1] C. Collaboration et al., "Tag and probe technique tracking efficiency results at cms", in Pos ichep2024, Contribution to: ICHEP2024, 931 (Dec. 2024), p. 931, https://doi.org/10.22323/1.476.0931, Contribution to: ICHEP2024, 931.
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C. WORK IN PROGRESS