

## Publication List

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- **M. Black**, R. Harlander, F. Lange, A. Rago, A. Shindler and O. Witzel, *Using Gradient Flow to Renormalise Matrix Elements for Meson Mixing and Lifetimes*, PoS LATTICE2023 263, [arXiv:2310.18059 \[hep-lat\]](#)
- **M. Black**, O. Witzel, *B Meson Decay Constants Using Relativistic Heavy Quarks*, PoS LATTICE2022 405, [arXiv:2212.10125 \[hep-lat\]](#)
- **M. Black**, A. D. Plascencia and G. Tetlalmatzi-Xolocotzi, *Enhancing  $B_s \rightarrow e^+e^-$  to an Observable Level in the Two-Higgs-Doublet Model*, Phys.Rev.D 107 (2023) 3 035013, [arXiv:2208.08995 \[hep-ph\]](#)
- O. Atkinson, **M. Black**, C. Englert, A. Lenz and A. Rusov, *MUonE,  $\mu\text{on } g - 2$  and electroweak precision constraints within 2HDMs*, Phys.Rev.D 106 (2022) 11 115031, [arXiv:2207.02789 \[hep-ph\]](#)
- O. Atkinson, **M. Black**, C. Englert, A. Lenz, A. Rusov and J. Wynne, *The Flavourful Present and Future of 2HDMs at the Collider Energy Frontier*, JHEP 11 (2022) 139, [arXiv:2202.08807 \[hep-ph\]](#)
- O. Atkinson, **M. Black**, A. Lenz, A. Rusov and J. Wynne, *Cornering the Two Higgs Doublet Model Type II*, JHEP 04 (2022) 172, [arXiv:2107.05650 \[hep-ph\]](#)