ATLAS updates

- 2024 Run starting well, over 13 fb⁻¹ in first month of running
 - Thanks to work on masking non-operational sTGC pads (Estel, Leesa, Callum, among others), 31 more trigger sectors are above 95% efficiency, so now 125/144 trigger sectors included in NSW-BigWheel coincidence, reducing Level-1 rate by another 2.5 kHz (14 GeV L1 Muon rate now ~11-12 kHz, down from ~14)
- ATLAS Outstanding Achievement award 2024: "Anthony Affolder (Santa Cruz UC), Ian Dyckes (Berkeley LBNL), Vitaliy Fadeyev (Santa Cruz UC), Cole Helling (Vancouver UBC), Jacob Wayne Johnson (Santa Cruz UC), Matthew Kurth (Beijing IHEP), Masahiro Morii (Harvard), Peter Phillips (RAL), Luise Poley (TRIUMF), Craig Sawyer (RAL) for outstanding contributions to the identification of the vibrational source of cold noise on ITk Strip modules."
- 3 co-ops starting for summer term: Josephine Brewster (IPP student) and Joshua Himmens (both with Max); Chaitanya Mahajan on ITk (with Luise)
- ITk post-doc hire: Emily Filmer from U.Adelaide, hopefully starting at TRIUMF in July (depends on visa, WP etc.)
- Recent publications:
 - Di-Higgs (Marco Valente, Max et al):
 - submitted for publication: <u>Boosted VBF HH->4b</u>, <u>Non-resonant HH->bbττ</u>, <u>Resonant bbγγ</u>
 - CONF notes: <u>HH multilepton full Run 2</u>
 - ITk (from last December's Vancouver Hiroshima conference):
 - Curing early breakdown in silicon strip sensors with radiation (L.Poley et al, NIM A (2024) 169405)



Not limited to ATLAS: there is a Roadmap of DM Models for Run 3 workshop at CERN next week with LHC experiments and theorists (Kate is organizing a session) - schedule and links to video connection are in the agenda