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General new physics priorities

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our current program the best for targeting the current big questions (DM, neutrino mass, early Universe, etc) - pretty good...

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Not

currently very involved in existing anomalies. Could follow up flavour anomalies, but could look more into this (via ATLAS, IceCube, SHIP, ...)

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Most

of the future planning from Danish experimental groups is focussed on next-generations of what we already do (e.g. more of the same)

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Involvement

in QW, QG or DM experiments would have synergy with theory capabilities and directly address key physics questions.

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it realistic that Denmark can broaden its program however?

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Path

is not very clear in the field generally...

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Need

experiments to bridge the gap to next-generation projects (e.g. FCC, ...)

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Physics

searches related to our interests/skills \rightarrow SHIP

Support

experiments providing key inputs to of current/future goals (PDFs, neutrino cross sections, forward meson production)

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Other

new areas:

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lot of expertise in quantum information/computing in Denmark. Can this be exploited for particle physics? Already some CERN efforts.

Quantum

computing for theory? Quantum information for detectors?

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Should

we get involved in next-generation detector technologies? LAr, etc?

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Does

our current program have enough synergies? Reasonable overlap of theory and experiment (ATLAS and scattering + lattice QCD, astroparticle theory and IceCube etc).