

RF1: What are the leading possibilities for NP (New Physics) discoveries with b and c quarks ? Which experiments could make these discoveries ?

RF3:

What is the program of measurements for establishing that there is NP in $g-2(\mu\text{on})$?

How can we reach $g-2(\tau)$?

Entanglement / coherence has been essential for CP violation measurements at Belle and BaBar, with over 10^9 entangled B-Bbar pairs studied (also past Bell inequality tests). It's unclear if there are credible frameworks of violations of quantum mechanics, detectable at colliders, are there? What do we hope to learn?

RF4:

What do we learn from improved exclusion limits? Are there well defined targets?

RF5:

What are the possible paths to NP discoveries with tau leptons ?

RF6:

What do we learn from improved exclusion limits? Are there clear targets?

RF7:

What measurements would be most useful to distinguish various descriptions of 'exotic' hadrons. (There are probably multiple angles, for each type of 'new' states.) Can one make some kind of a roadmap?

Do "exotic states" have multiple components in their wavefunctions ?

How can we establish the existence of QCD hybrid states such as $(b \bar{g})$ and $(c \bar{c} g)$ states ? Pentaquarks and 4-quark states seem to have been established but hybrids are missing.

Frontier Wide: (Vaia P.)

Could we produce a table with properties to be measured (achievable accuracy, loop holes or not, etc) for various upcoming colliders like muon collider, hadron collider, EIC, etc, to make it easier to argue for one or another under funding limitations?

How do we prioritize in RPF the need for one over another vs focusing investment in already existing machines