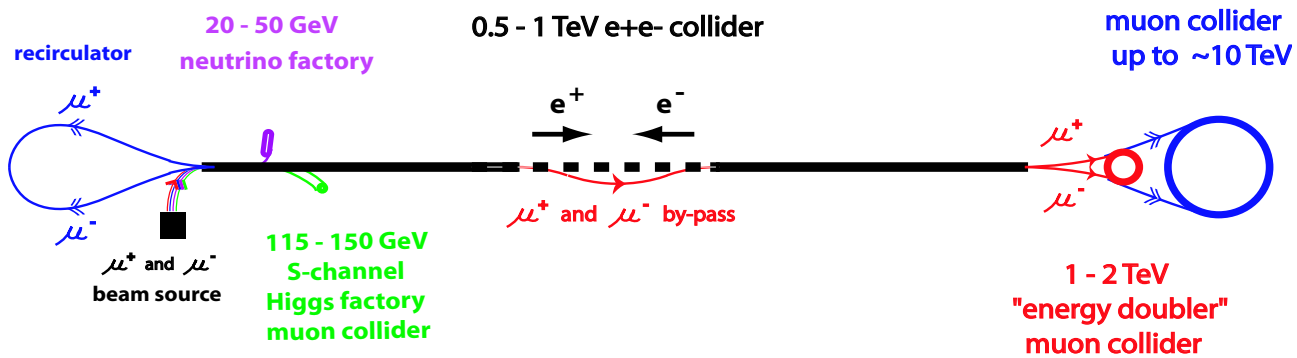
PROGRESS IN ENERGY FRONTIER MUON COLLIDERS

M1 sessions 4 & 11; presentations by Berger, Brinkmann, Gupta, Johnstone, Kahn, King, McIntyre, Mokhov, Neuffer, Raja, Summers, Tenenbaum

1) investigated symbiotic "upgrade" of TeV-scale e+e- linac for muon colliders at E_{CoM}~1.6-11.2 TeV, L~10^{34} $cm^{-2}.s^{-1}$.

Conclusions: "mu-TESLA" looks promising & "mu-NLC" plausible, *both assuming a high performance muon cooling channel*



2) investigated muon colliders at E_{CoM}~100 TeV, $\mathcal{L}$~2×10^{35} $cm^{-2}.s^{-1}$, in an isolated lab. site (neutrino radiation) & sharing tunnel with a VLHC and mu-p collider.

Conclusions: no show-stoppers found