PARTICLE PHYSICS OPPORTUNITIES:*

- The physics capability of $\mu^+\mu^-$ and e^+e^- colliders with the same energy and luminosity are SIMILAR
 - $\mu^+\mu^-$ collider is a complementary machine to e^+e^- and hadron(HLC) colliders
- s-channel production of Higgs boson SM (h_{SM}) and MSSM (h^o , H^o , A^o , H^{\pm})
- Beam-beam interaction is reduced (2 bunches of each sign at 15 Hz and 10³ turns)
- Finer energy resolution (reduced synchrotron radiation)



- Both beams may be polarized albeit with loss of luminosity
- Possiblity of μ p collision; sudy rare μ decay, also other beams π , kaons, neutrinos
- If SUSY does not exist, a 4 TeV machine may be needed to study the mechanism for electroweak symmetry breaking (W W strong boson scattering)

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