One slide summary for WG1 from Che-Ming Ko

- **Experience:**
  - Developed RVVU model based on the relativistic energy density functional and used it for studying particle production in high energy heavy ion collisions, e.g., sensitivity of kaon yield to nuclear equation state in nuclear collisions at subthreshold energies.
  - Developed χBUU model based on energy density functional from the chiral effective theory and used it study nuclear symmetry energy from charged pion ratio.

- **Suggested discussions:**
  - In-medium nucleon-nucleon cross sections from chiral effective theory.
  - Nucleonic observables, e.g., nucleon rapidity and momentum spectra, directed and elliptic flows.
  - Produced particles (photon, pion, kaon), e.g., spectra and flows.
  - Short-range correlations and off-shell effects on nucleonic dynamics.
  - Test of chiral effective theory at high density.
  - Partial restoration of chiral symmetry at high density.
  - Transport coefficients of nucleonic matter, e.g., viscosity, electric conductivity.
  - Mott effect on light clusters, e. g., deuteron, triton, helium-3 and alpha.