

| | Physics Issues: | Tasks: | People: | Working Groups: |
|-----------|---|---|--|--|
| 6 months | (2+1)-d viscous hydro (4 codes) | Standard test cases for code verification | Dusling/Teaney, Huovinen, Heinz/Song, Romatschke | Hydro-WG Post-Hydro-WG Init-Cond-WG |
| | Interface early dynamics → hydro | $T_{\mu\nu}^{early} = eu_{\mu}u_{\nu} + p\Delta_{\mu\nu} + \pi_{\mu\nu}$ | Heinz, Song, Hirano | |
| | HBT correlations | HBT module | Pratt, Soltz | |
| | Hydro-Casc. interface | Write and test IF | Bass, Müller, Lee, Pratt, Hirano(?), Teaney(?) | |
| | Intl. conds. from CGC | $\langle T_{\mu\nu} \rangle(x, y; \tau_0)$ | Lappi, Gelis | |
| 12 months | (2+1)-d viscous hydro + cascade hybrid | Microscopic hydro mock-up | Koch | Opportunities: Develop strategy for statistical analysis of data vs. model(s) |
| | Transport properties of hadron cascade | Include bulk viscosity Verify with standard tests Test sensitivity to hydro → cascade interface location | Bass, Müller, Heinz, Song, Hirano (?), Teaney, Dusling | |
| | EOS from LQCD + PCE HG | η/s from hadron cascade LQCD fit + NE chem. pot. along visc. traj. | Bass, Müller, Kapusta, Pratt, Gavin Huovinen, Koch, Soltz, Heinz, Song, Petreczky | |