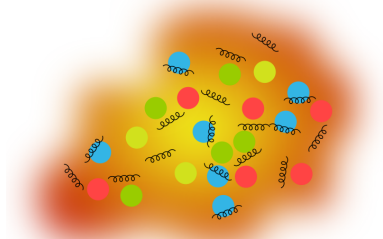


Study intrinsic QGP properties

- equation of state
- transition temperature
- viscosity



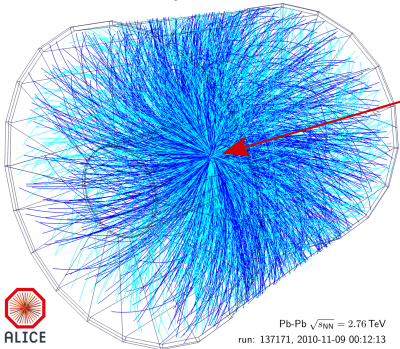
Quark-gluon plasma



$\sim 10^{-14}$ m extent

$\sim 10^{-23}$ s lifetime

What the experiment sees...



Pb-Pb $\sqrt{s_{NN}} = 2.76$ TeV
run: 137171, 2010-11-09 00:12:13

Measure extrinsic final-state properties

- particle yields
- mean particle momenta
- angular particle correlations

