Hydro prediction of v_2 at RHIC

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Hydrodynamical model

- Boost-invariant 2+1 dim. model
- Initial spatial distributions based on wounded nucleon model
- Tuned to reproduce charged particle multiplicity in central collisions measured by Phobos collaboration
  - $\frac{dN}{d\eta}|_{\eta<1} = 545$ or 580
  - $\frac{\bar{p}}{p} = 0.5$
- Decoupling temperature unknown
  - use $T_f \approx 140$ MeV and $T_f \approx 125$ MeV
- Equations of state with
  - $T_c = 165$ MeV
  - $T_c = 200$ MeV
  - $T_c = \infty$