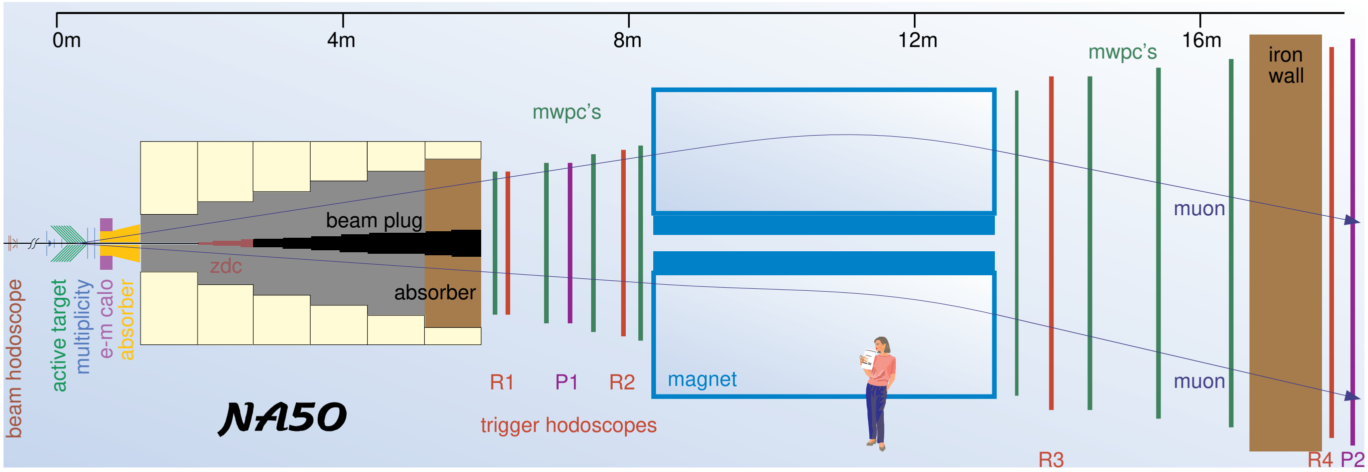
The NA50 Experiment



$\mu^+\mu^-$ pair production at midrapidity:

charmonia,V-mesons, Drell-Yan + thermal continuum

charm production (leptonic decays)

muon pair spectrometer

acceptance $2.92 < y_{Lab} < 3.92$, $\mid cos\Theta_{CS} \mid < 0.5$

collision centrality from E_T (e.m.calorimeter) and spectator energy (ZDC)

optimised hadron absorber to reduce background from π and K meson decays

remaining background estimated from like-sign pairs:

$$N_{BG} = 2\sqrt{N^{++} \cdot N^{--}}$$