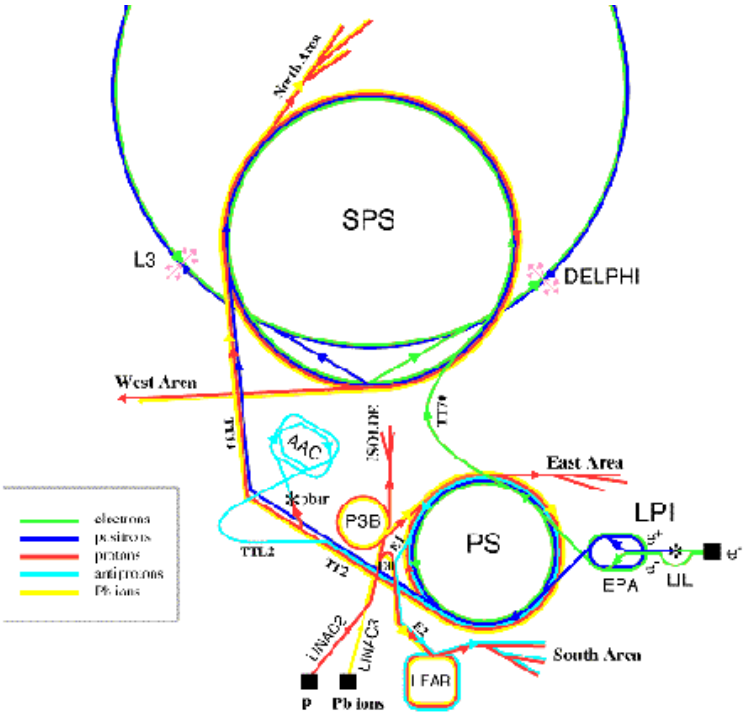
Producing Pb-Beams at Cern



ECR source	Pb^{27+}	2.5 KeV/u
RFQ,Linac 3		250 KeV/u
C stripper	$Pb^{27+} \rightarrow Pb^{54+}$	
booster+PS		4.25 GeV/u
stripper	$Pb^{54+} \rightarrow Pb^{82+}$	
SPS		40-158 GeV/u

intensity $\sim 10^8$ Pb-ions / SPS pulse

future ion accelerators:

	SPS	RHIC	LHC
$\sqrt{s_{NN}}(GeV)$	17.2	200	5500
dN^{ch}/dy	~ 400	~ 1200	~ 8000