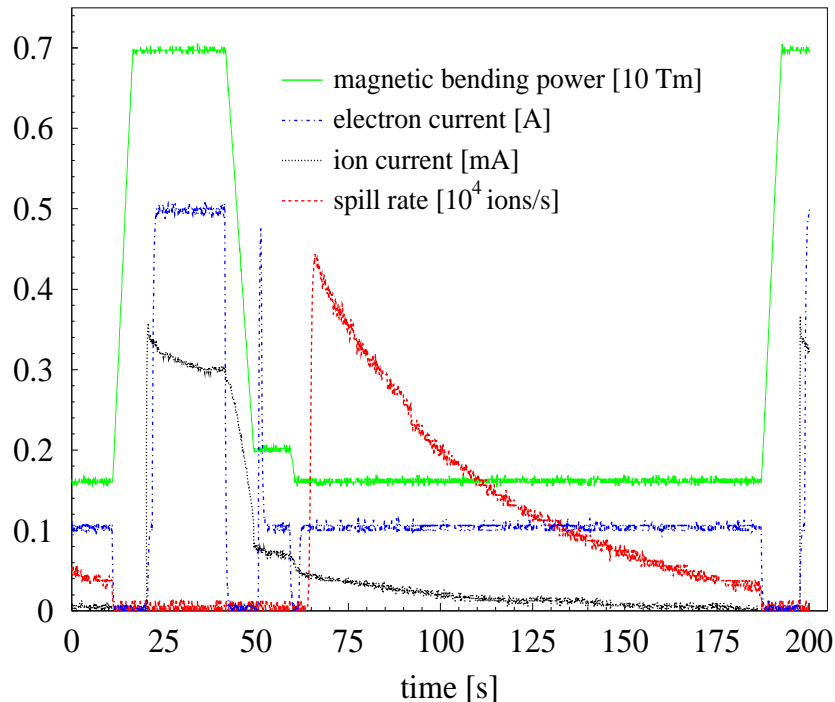


Beam Deceleration

deceleration of U^{92+} 300 \rightarrow 30 \rightarrow 20 MeV/u

ultraslow (charge changing $U^{92+} \rightarrow U^{91+}$) extraction
for external experiments



standard deceleration cycle

cooling before deceleration (~ 10 s)

slow ramping (~ 0.1 T/s)

cooling at intermediate energy (~ 30 MeV/u)

ultraslow extraction (option)

latest achievement:

deceleration to 3 MeV/u