

SPIRAL2 (SP2)

SPIRAL2 (SP2) is one of its kind accelerator aimed to deliver some of the most intense ion beams in the world to study the structure of atoms and nuclei. The recent commissioning and current ramp up of SP2 would not have been possible without the commitment of multidisciplinary teams over years of hard work. At the crossroads of theoretical and accelerator physics, engineering and big data, physics of the natural world always finds its way and imprints every inch of past, present and future developments. Therefore, this presentation spans wide. Yet it focuses on two extremes that usually don't talk : first, theoretical and scientific targets and second utilities physics modeling and intelligent command and control.