

Nicolas Chauvin

After his PhD about ion charge breeding with ECR ion sources, Nicolas Chauvin worked during 7 years as an accelerator expert at a CNRS/IN2P3 laboratory. There, he led a group that was in charge of a 1.5 MV tandem accelerator and low energy ion implantors dedicated to material analysis and modification with ion beams.

Since 2007, Nicolas Chauvin works at CEA-Saclay as an accelerator physicist in the field of beam dynamics of high intensity beams and space charge. He is involved in projects such as IFMIF, FAIR-proton linac, IPHI, MYRRHA, and the development of compact accelerator based neutron sources. Additionally, he developed experimental activities, mainly in the field of low/medium energy beam lines and space charge compensation. Over the past nine years, he has been teaching beam dynamics in the GI-PLATO Master 2 of University Paris-Saclay.

Currently, Nicolas holds the position of CEA-Saclay's lead for the IFMIF-LIPAc injector (ion source and LEBT). Moreover, he is responsible of the beam dynamics group within the DONES project