

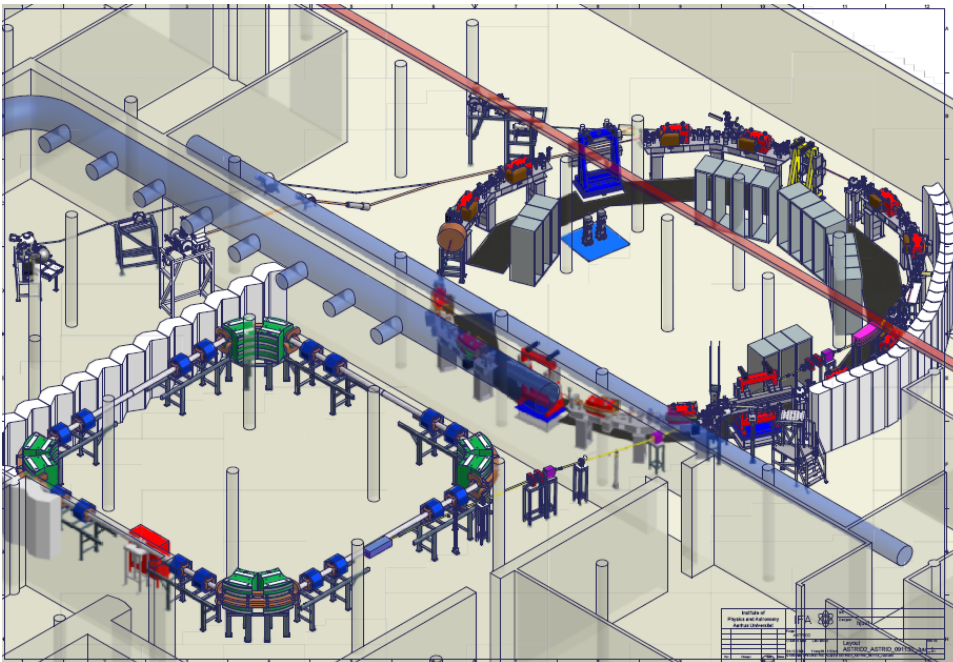
Aarhus University, DK

10,000 staffs, 38,000 students



Accelerator development

- › Single stage accelerators from 1960
- › ASTRID storage ring since 1990; ions and SR
- › Electrostatic storage ring
- › Involved in several accelerator projects like Particle Therapy with Siemens, and booster synchrotrons with DANFYSIK and ...
- › ASTRID2 is being built and soon commissioned



Accelerator science students in DK (and S)

- > At Aarhus University, ~15 students attend the course mentioned below. Very few write their master thesis in Accelerator Physics (2/10 years).
- > Every 3 years PhD student over 10 years in Accelerator Physics/Industrial PhD (Technical Physics)
- >
- > Nothing else in DK.

Existing resources in DK

- › Students may graduate in medical physics as master, or after their masters at hospitals as part of their medical physics curriculum. An 5 ECTS in accelerator physics course takes place every other year.
- › Course is based on Klaus Wille: The Physics of Particle Accelerators. Previously Edmund Wilson: Particle Accelerators was tried
- › Accelerators are also part (15%) of a course in Experimental Methods

MAX-LAB Lund, Sweden

> Lund University

> Intro to Accelerators and FEL

> Accelerators are an important tool for research in many disciplines of natural sciences and for applications in medicine and industry. In this course we will focus on the basic technology of accelerators.

MAXM07, 7.5 ECTS credits [Course information...](#)

> Accelerator technique

> Electromagnetic fields, particle sources, accelerator types, vacuum, basic physics, magnetic elements, synchrotron radiation.

MAXM03, 7,5 ECTS credits [Course information...](#)

> I guess ~1 masters or PhD students graduating annually

