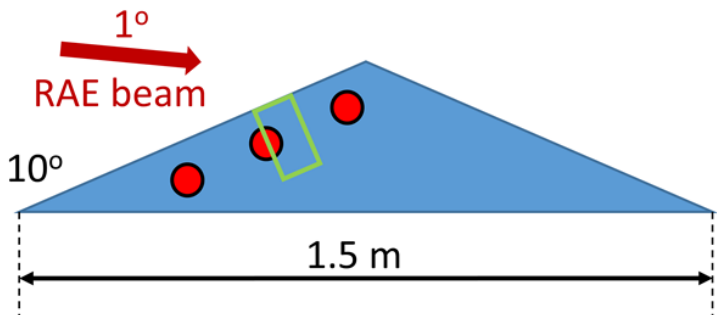


Effect of runaway electrons on the PFCs during a plasma disruption

- Problem: during plasma disruptions, electrons of the plasma can be accelerated up to relativistic energies (RAEs)
- Aim of the work:
 1. Estimate of where the RAE beam will impact on the wall and for how long (disruption physics)
 2. Calculate the RAE beam energy (physics of RAEs and atomic/nuclear physics of the materials involved)
 3. Analyze the thermal response of the wall (heat transfer / thermal-hydraulics)
- Prerequisites: course of Nuclear fusion reactor physics



In collaboration with

