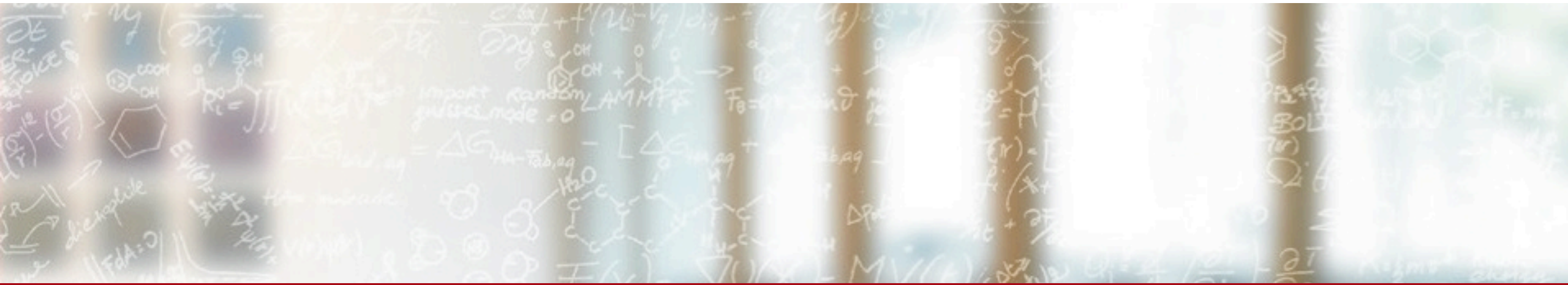




**CSCS**

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# Interactive Computing with Jupyter Notebooks

CSCS User Lab Day, Luzern

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# Agenda

1. Introduction to Jupyter Notebooks (15 min)
2. Use case demonstrations (30 min)
3. Q and A (15 min)

# Jupyter Notebooks

- Project Jupyter is an open-source project that develops software, open standards, and services for interactive and reproducible computing
- The main application developed by the project is the **Jupyter Notebook**
  - Jupyter Notebook is a web-app that allows users to create documents that combine **live code** with **narrative text**, **mathematical equations**, and **visualizations**
  - Jupyter Notebooks are great for developing, sharing, communicating, and reproducing computational work in scientific computing and data science
- **JupyterHub** is a multi-user environment for managing multiple instances of the single-user Jupyter Notebook server
- Users of Piz Daint can launch notebooks at **<https://jupyter.cscs.ch>**

# Live demonstrations

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