

PAUL SCHERRER INSTITUT



Paul Scherrer Institut

Visit 2020-02-27/28

WELCOME TO PSI



SwissFEL

biology

energy research

nanotechnology

radio chemistry

radio pharmacy

hotlab

proton therapy

neutron source

synchrotron light source

material sciences

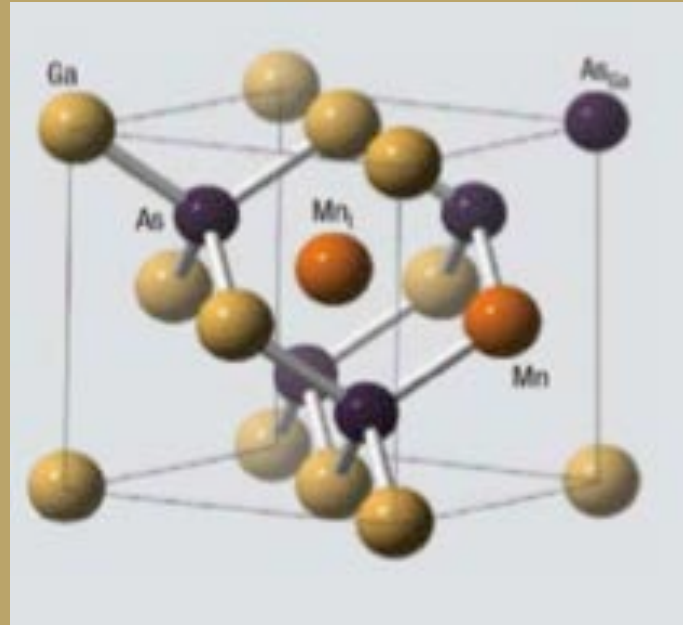
muon source

proton accelerator

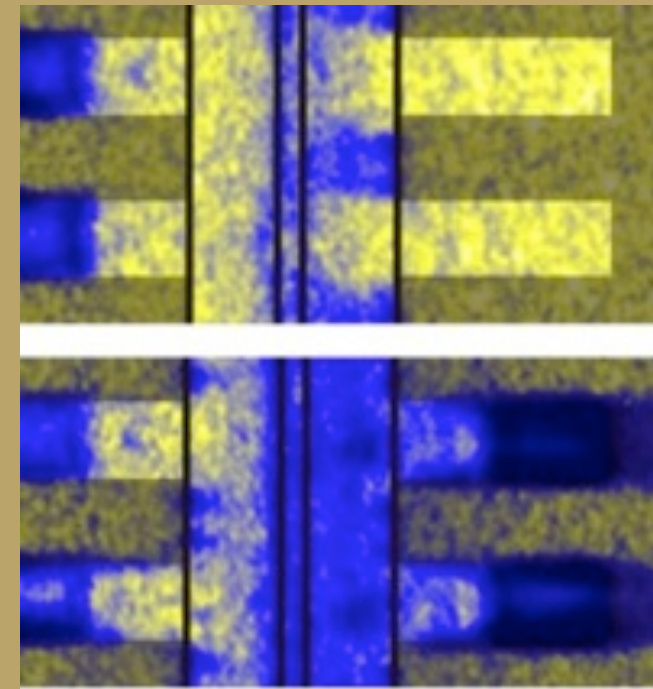
particle physics

Our Mission

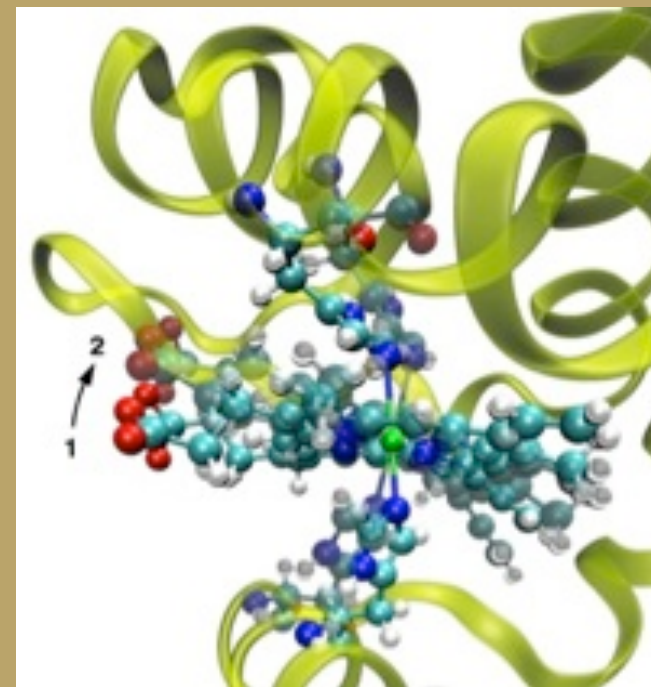
Matter and materials



Energy and environment



Human health



Development
Construction
Operation



Knowledge & expertise



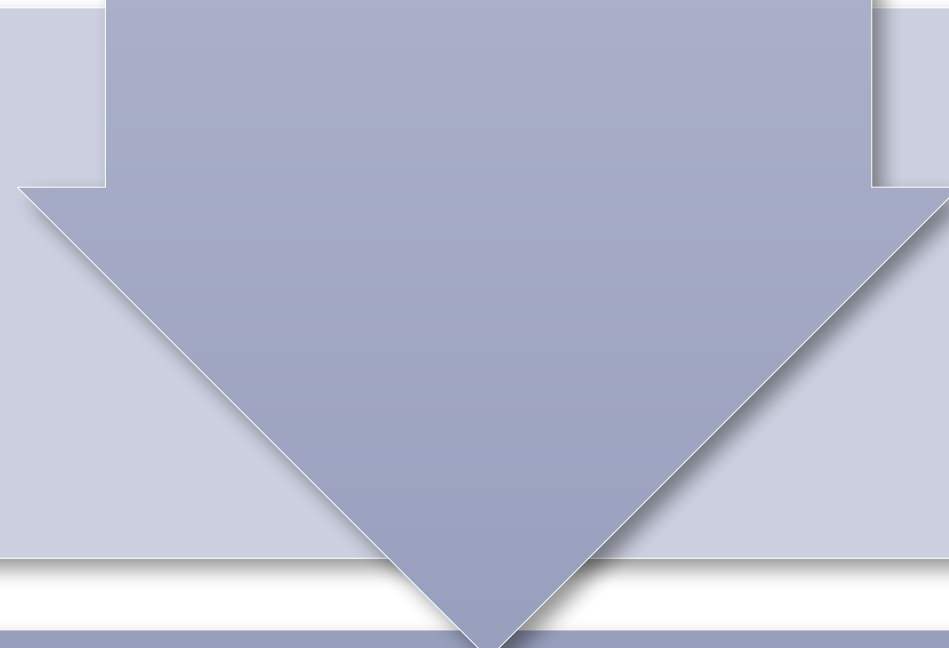
Education



Technology transfer



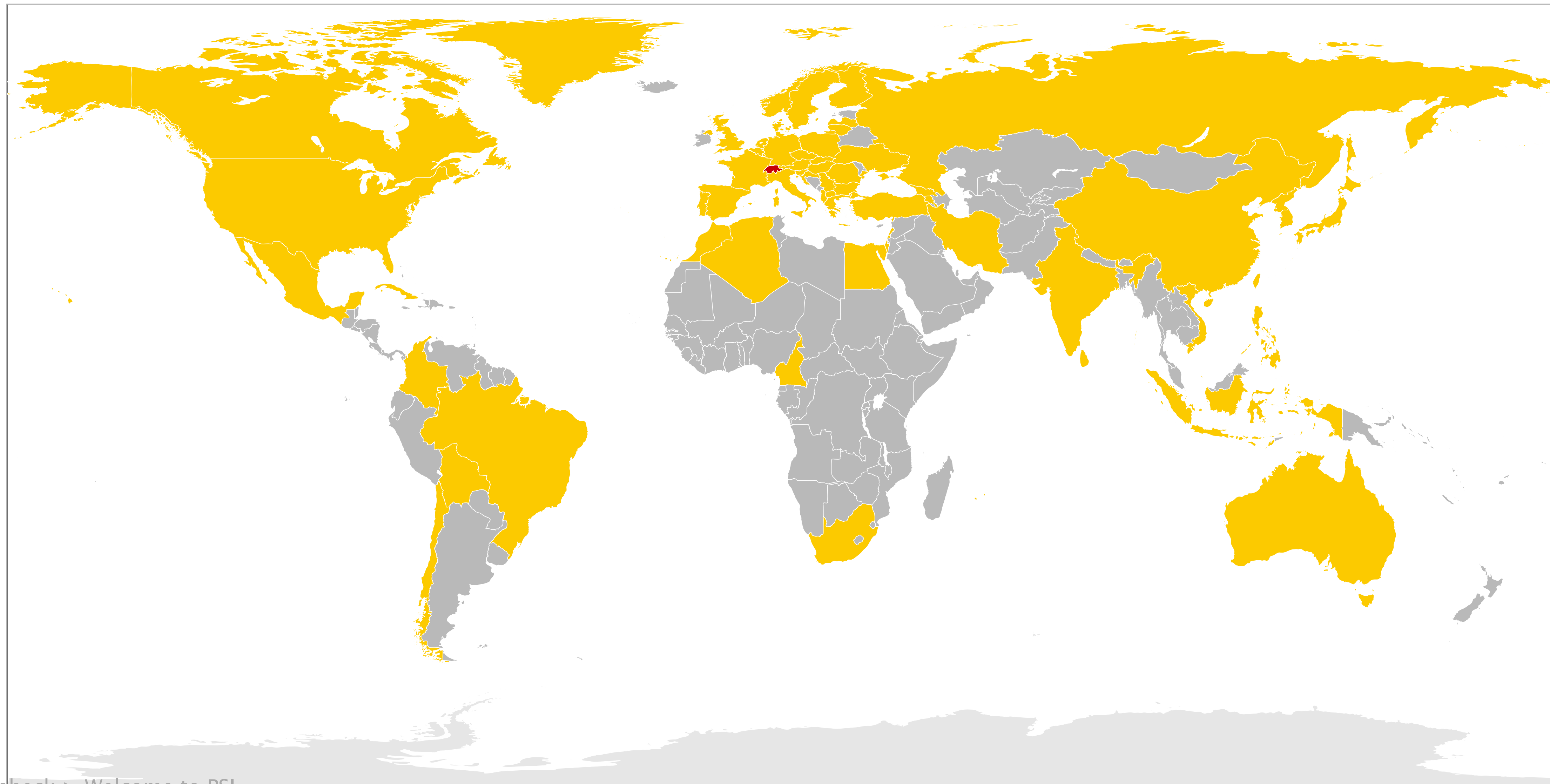
Large research facilities



Swiss and foreign users
from academia and industry

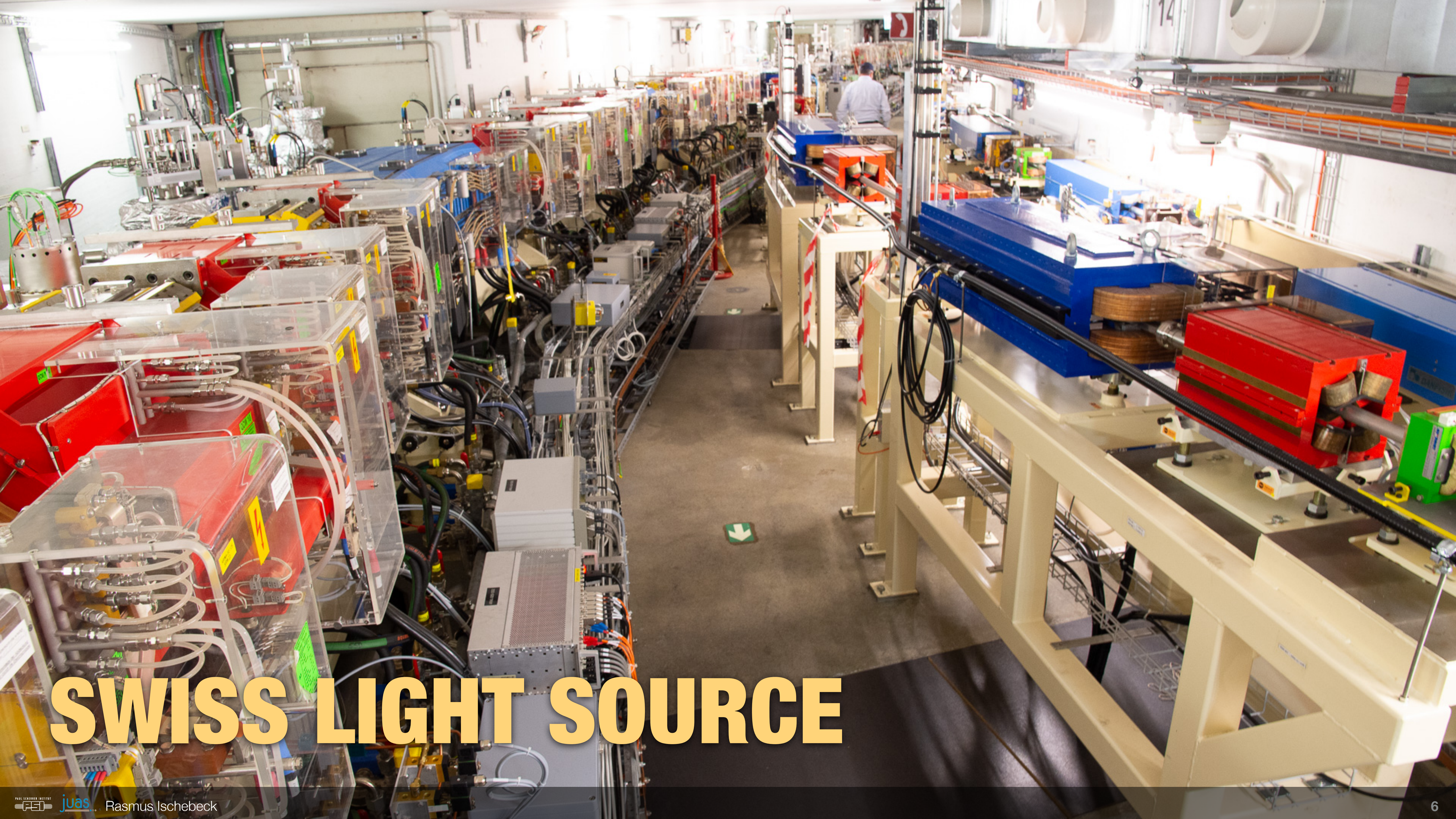
more that 2400 external users/year (39 beamports)

2000 Employees from 63 Countries





LECTURE: CONTROLS



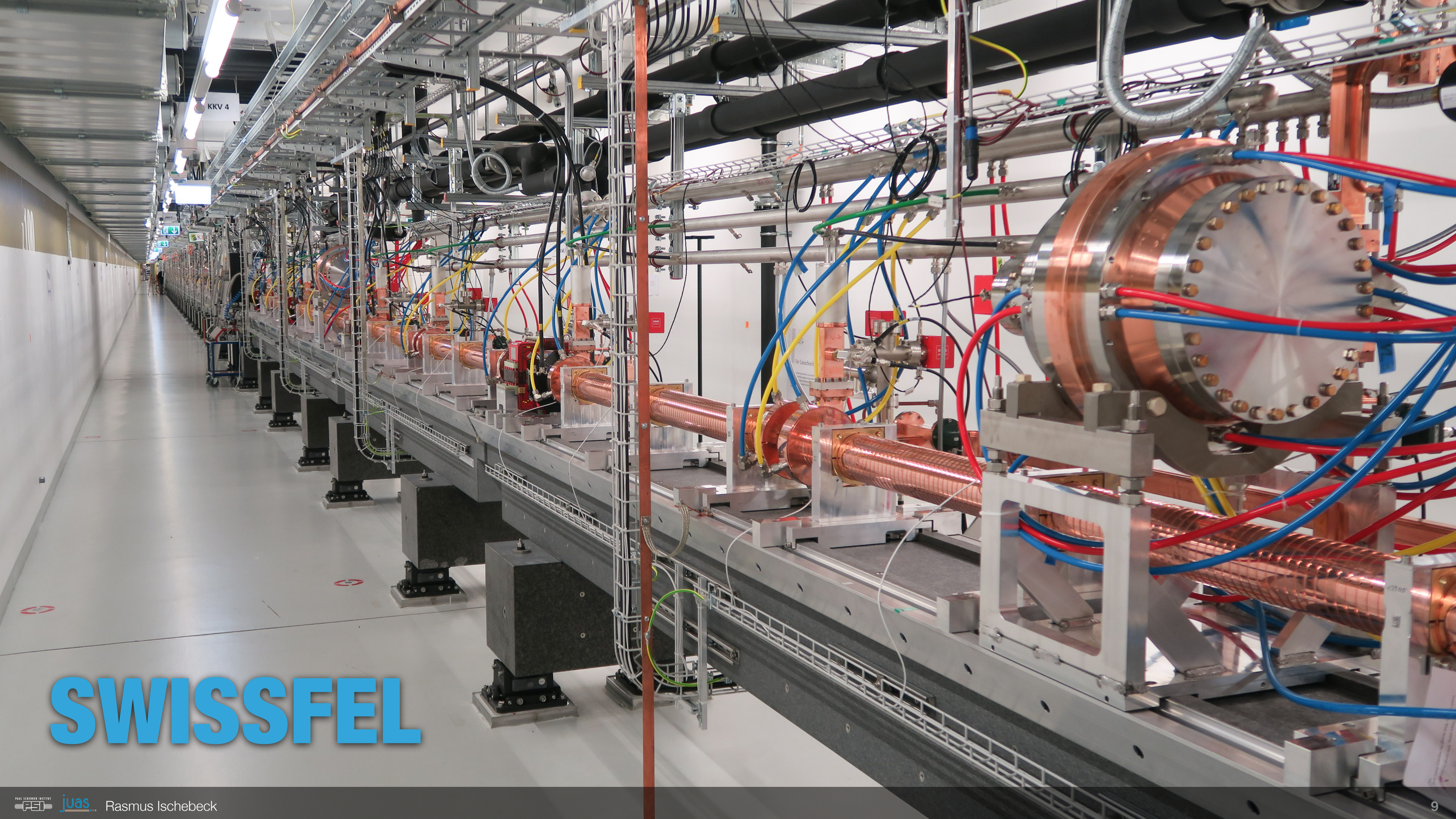
SWISS LIGHT SOURCE



SWISS LIGHT SOURCE

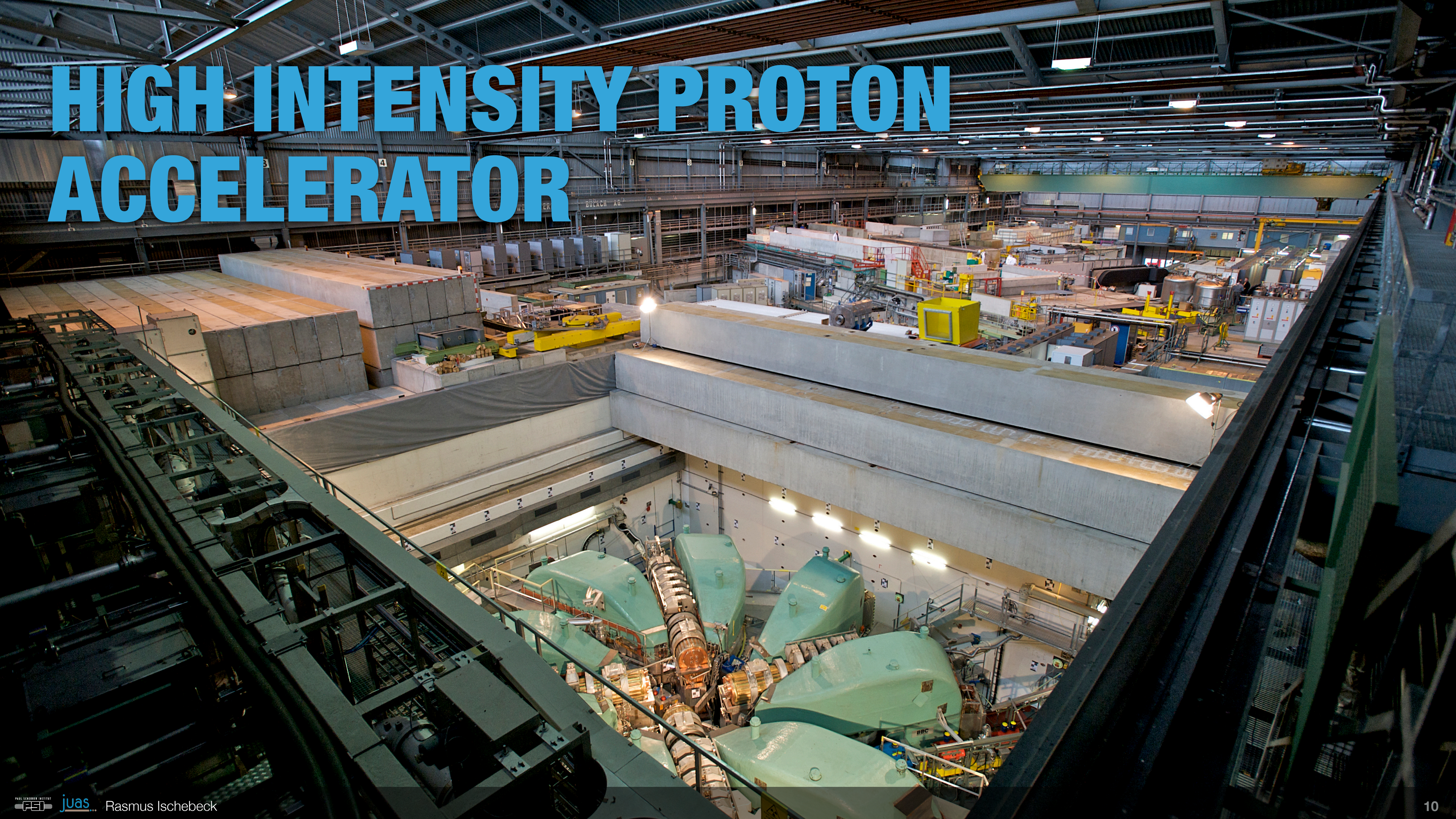
PROTON THERAPY



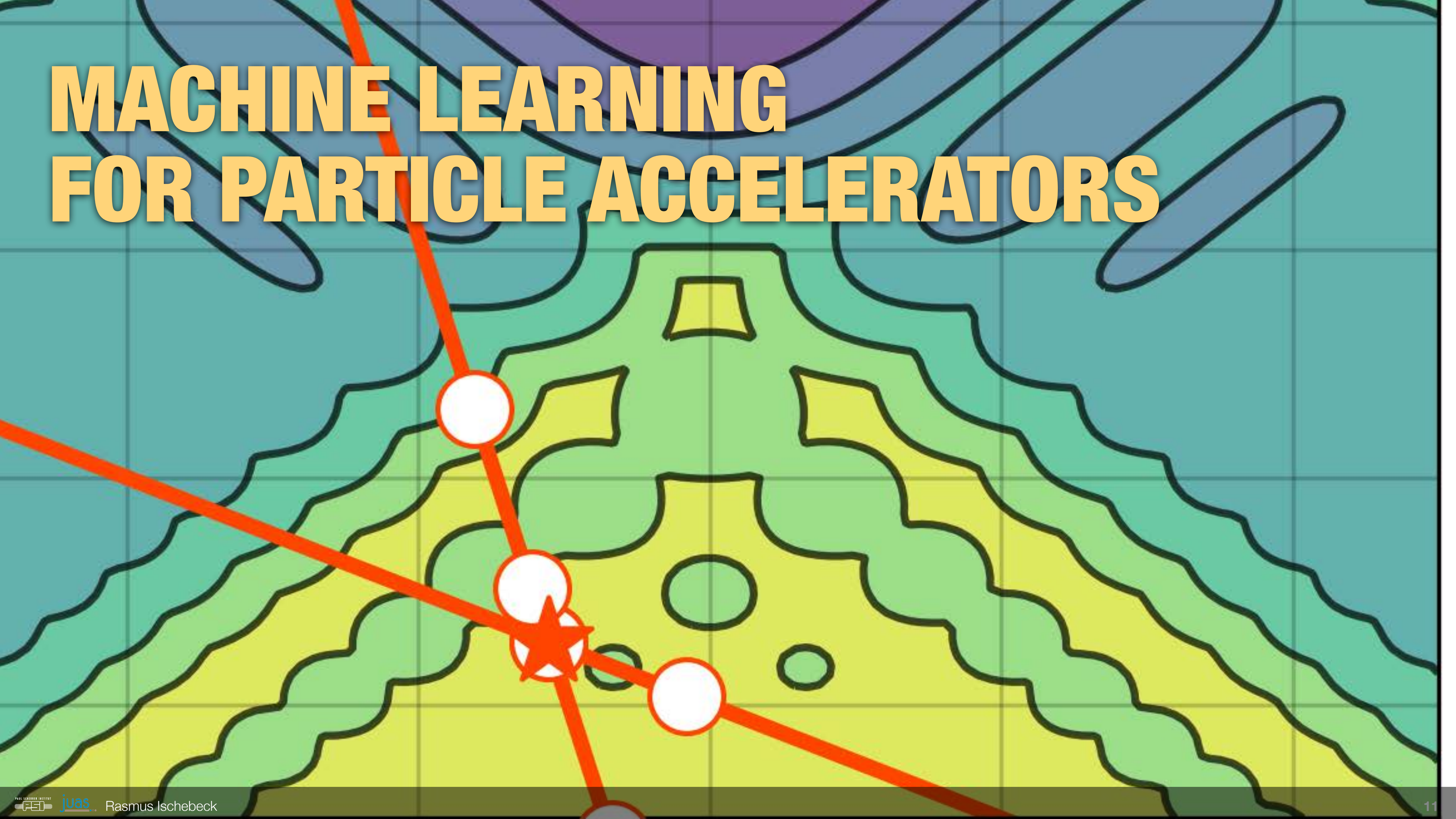


SWISSFEL

HIGH INTENSITY PROTON ACCELERATOR



MACHINE LEARNING FOR PARTICLE ACCELERATORS



VISIT TO PSI

Thursday, February 27, 2020

- ▶ 12:00 Arrival & lunch (OASE)
- ▶ 14:00 Welcome (Rasmus Ischebeck)
- ▶ 14:15 Lecture: Controls, part 1 (Elke Zimoch)
- ▶ 15:00 Coffee break
- ▶ 15:15 Lecture: Controls, part 2 (Elke Zimoch)
- ▶ 16:00 Presentation: SLS (Michael Böge)
- ▶ 16:15 Visit SLS (Anne Bonnin & Jonas Kallestrup)
- ▶ 17:00 Short break, in front of WBGB/019
- ▶ 17:15 Presentation: hadron therapy (Marco Schippers)
- ▶ 17:45 Visit ZPT (Martin Grossmann, Sairos Safai)
- ▶ 19:00 Dinner (OASE)
- ▶ 20:00 Lecture: novel accelerators (Benedikt Hermann)

Friday, February 28, 2020

- ▶ 8:30 Breakfast (time out)
- ▶ 9:00 Presentation: SwissFEL (Florian Löhli)
- ▶ 9:15 transfer
- ▶ 9:30 Visit SwissFEL end stations (Chris Milne, Henrik Lemke)
- ▶ 10:00 Coffee break, SwissFEL entrance
- ▶ 10:15 transfer
- ▶ 10:30 Lecture: Machine learning (Nicole Hiller)
- ▶ 10:45 Visit HIPA (Joachim Grillenberger)
- ▶ 12:30 Lunch (OASE)