Universität Zürich UZH

KT2 – Lab Course at PSI

Organisation

FS 2017

Alex Kish, Lea Caminada, Olaf Steinkamp

Contacts

Dr. Olaf Steinkamp
UZH Y36-J-22
(044 63) 55763
olafs@physik.uzh.ch

Dr. Alexander Kish
UZH Y36-K-70
(044 63) 56627
alexkish@physik.uzh.ch

Dr. Lea Caminada
UZH Y36-J-48 / PSI
(044 63) 56115
caminada@physik.uzh.ch

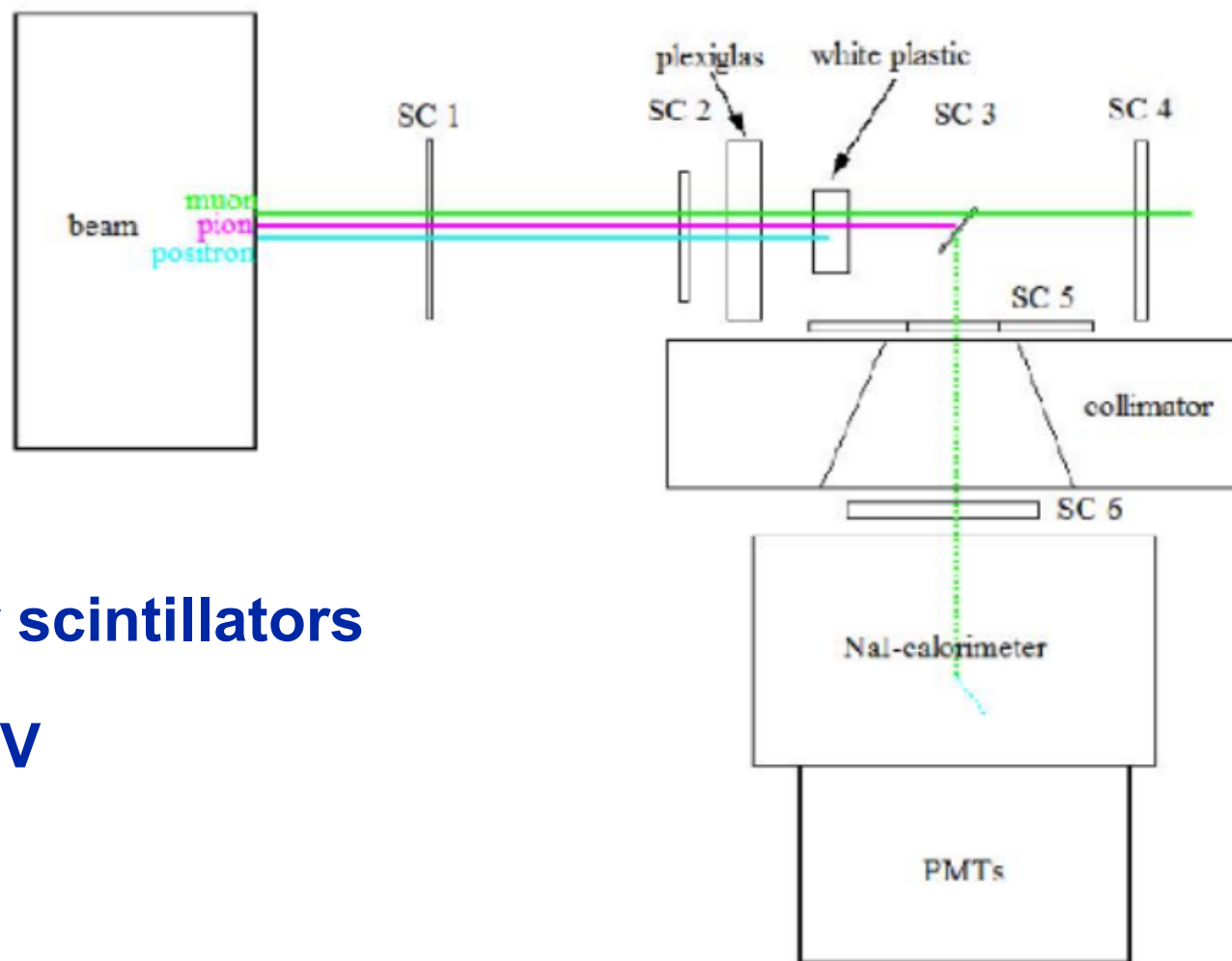# Dates

We've reserved the experimental area for July 10–23

Each one of you should spend two days at PSI
(meet at PSI entrance at 9h00, finish around 17h00)
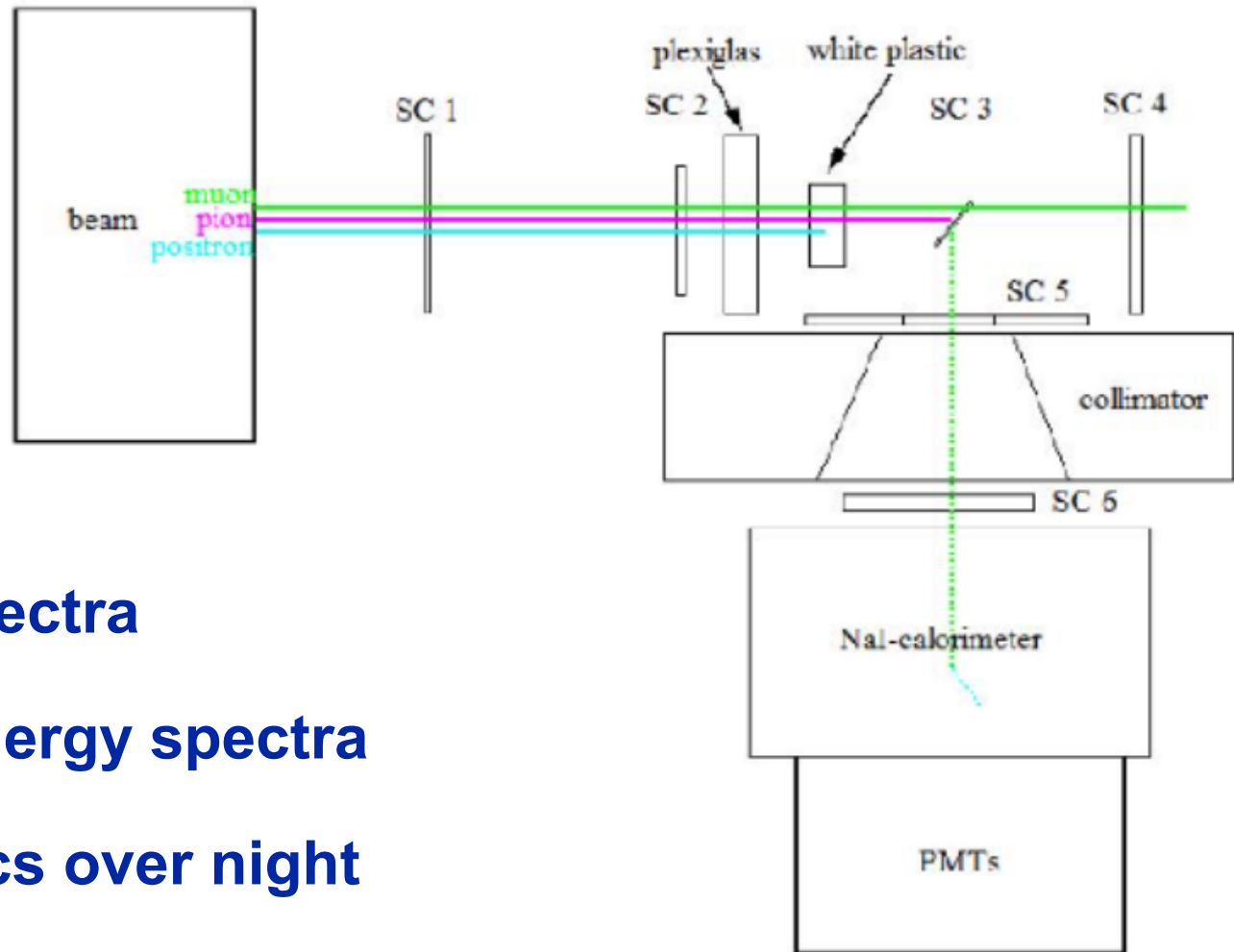
You should work in groups of two

7 participants → 7 (consecutive) days at PSI

Let's decide together on which day we want to start
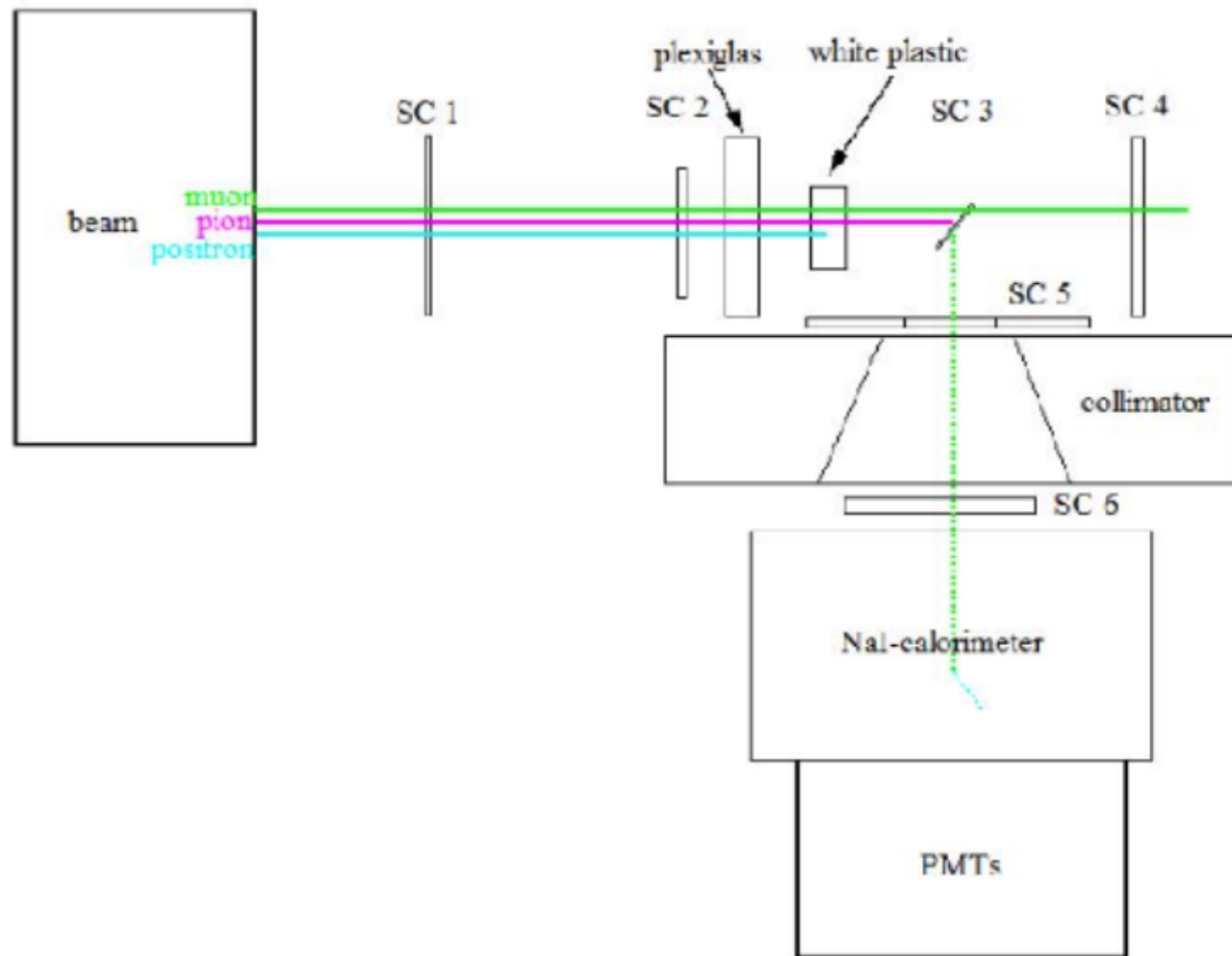(I'd prefer July 13 or later)

- **Mount and align trigger scintillators**

- **Test PMTs and adjust HV**

- **Set up coincidences**

- **Optimize beam parameters (direction and momentum)**

- **Measure decay-time spectra**

- **Measure calorimeter energy spectra**

    - **Both: collect statistics over night**

- **Measure time calibration spectra**

- **Finish documentation**

- **Clean up**

Before Going to PSI

- **Decide who wants to come on which days**

  - Ideally, each one of you should spend

    - one day on setup or cleaning up

    - one day doing "measurements"

  - Programme might shift due to problems
    with equipment or PSI beam

- **Decide how you want to communicate with each other**

  - LOGBOOK (paper or electronic) !!!

  - Group chat ?

  - Daily run meeting with Video conferencing ?

Before Going to PSI

- **Each one of you will need a personal PSI dosimeter**

- **Register on `[https://duo.psi.ch/duo/]`WELL IN ADVANCE such that your dosimeters are ready when we arrive at PSI**

  - Alex will send you an email with detailed instructions

- **You'll do the analysis and write one report together**

- **Your deadline for submitting the report is** **September 10** **(earlier would of course be better)**

Final Word of Warning

- **Alex, Lea and I do this for the first time without Andries**

    - Please be patient with us if not everything works perfectly

- **It is normal that unexpected problems pop up and it is an essential part of being an experimentalist to deal with this.**