

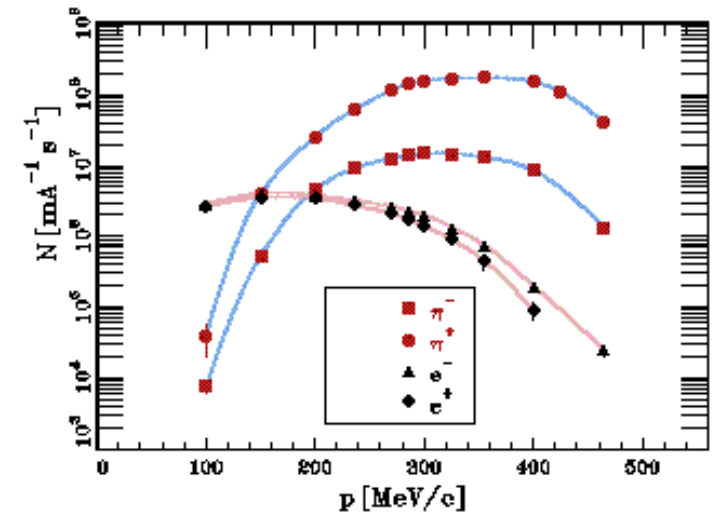
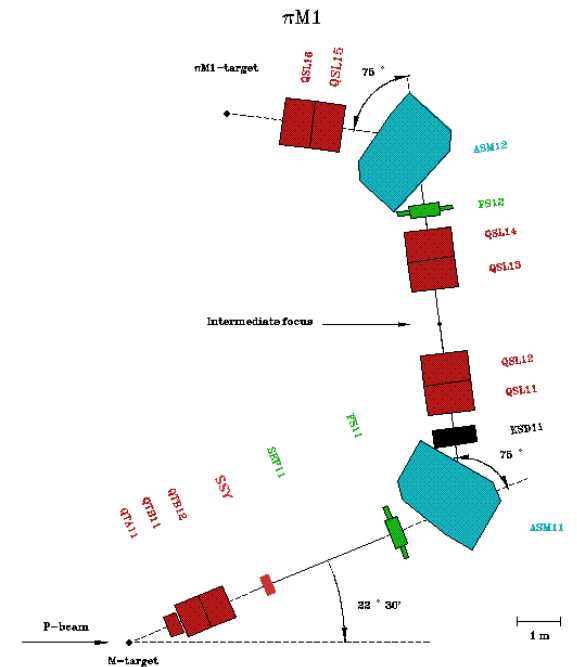
Test Beam @ PSI



After 5th day

π M1 Beam Line

- High resolution pion beam line with a momentum ranging between 100 and 500 MeV/c
- Quasi-continuous beam: bunch frequency 50 MHz
- Very high pion rate up to 200 MHz @ 350 MeV/c
- Proton contamination < 10% @ 350 MeV/c
- Spot size up to 7-8 cm²
- π M1 is one of the best beam line to perform rate capability study and discharge probability measurement



π M1 Beam area



Space available in the area (about 4-5 m along the beam)



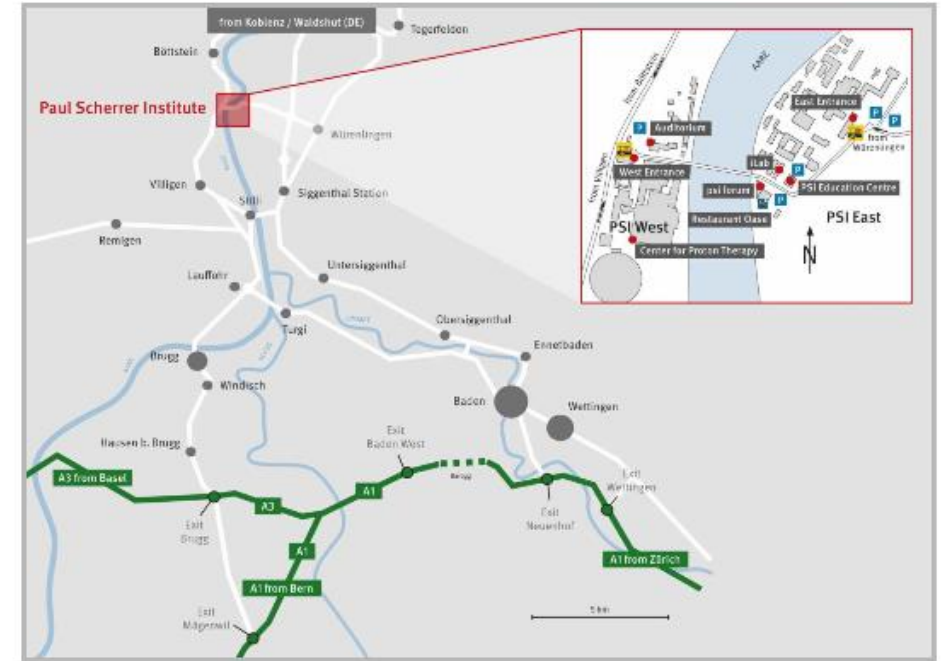
Our setup in π M1 area: a tracker system + 10 μ -RWELL on a movable XYZ table + rack+SRS+ power supply, etc

Beam requests & Responsible

- Deadline for submission and beam request: January 7, 2019
- Beam Time Coordinator: Stefan Ritt
- π M1 Responsible: D. Reggiani, A. Papa
- Favorite period: October 2019 (two or – *hopefully three* - weeks if we are a big group)
- Send an email to me (marco.polilener@Inf.infn.it) before the 20th December with your requests: beam momentum, spot, rate, measurements & goal foreseen and working days
- Support from RD51 (only hardware, etc)

The Paul Scherrer Institute

- PSI is located in northern Switzerland, approximately midway between Zürich and Basel. The nearest towns and railway stations are Baden and Brugg. Frequent flight and train connections via Zürich or Basel are available from all major European cities.
- Please register any visit prior to arrival via PSI's [Digital User Office \(DUO-
https://www.psi.ch/useroffice/duo-help\)](https://www.psi.ch/useroffice/duo-help). This is mandatory in order to obtain a PSI badge, dosimeter and book the guest-house.



Paul Scherrer Institute

- A Guest-House offers a local and practical accommodation for its visitors, guests and users on site. The Guest House is located in the Western part of the PSI campus and offers 57 single and 8 double rooms.
- A canteen [OASE](#) (500 m far from the entrance) & the cafeteria TIME OUT are available for lunch, snack and dinner.



room category	normal rate (CHF)
single room with washbasin	50,-
single room with bathroom	70,-
double room with washbasin	70,-
double room with bathroom	100,-