

# Charge radius run plan

Andreas Knecht  
Paul Scherrer Institute

19. 6. 2019  
muX collaboration meeting  
Mainz

# Run plan

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- ▶ Before:
  - ▶ Taking into operation of clusters (pumping, cool down, biasing)
  - ▶ Tune DAQ parameters
  - ▶ Source measurements: Co-60, Y-88, Cs-137, Ba-133, Eu-152
- ▶ Week 1:
  - ▶ Beam tuning
  - ▶ Tuning of detectors with beam, set DAQ and analyser parameters
  - ▶ Efficiency measurements (sources, muonic lead)
  - ▶ Tune transfer with gold target (momentum, deuterium concentration)
- ▶ Week 2:
  - ▶ Measure with Cm-248 target, collect statistics
  - ▶ Backup targets (inactive & active)
- ▶ Week 3:
  - ▶ Measure with Ra-226 target, collect statistics
  - ▶ Backup targets (inactive & active)

# Schedule

## PSI 590 MeV Program 2019

Last update: 9-Apr-2019

<https://www.psi.ch/sbl/schedules>

Week number

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Availability

			May				June				July				August					September				October				November			
			19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
<b>Availability</b>			[Color-coded availability grid]																												
PiM3	MuSR (GPS&LTF)	Amato (coord.)	[Availability]																												
PiE3	MuSR high field	Scheuermann (coord.)	[Availability]																												
MuE1	MuSR (GPD)	Amato (coord.)	[Availability]																												
MuE4	MuSR (LEM)	Prokscha (coord.)	[Availability]																												
PiE1-1	MuSR (Dolly)	Amato (coord.)	[Availability]																												
PiE1-2	R-16-01.1 muX	Knecht	[Availability]																												
	R-08-01.2 Musun	Kravchenko	[Availability]																												
	R-14-02.1 MuCOOL	Antognini	[Availability]																												
	R-16-02.1 HyperMu	Antognini	[Availability]																												
	2S1S	Wauters	[Availability]																												
	TargetE	Knecht	[Availability]																												
	MuEDM	Schmidt-Wellenburg	[Availability]																												