

## List of PITZ responsibilities

Topic	Name(s) of the responsible person(s) <small>(main responsibility is shown in <b>bold</b>)</small>
<b>Laser</b>	
Verantwortlich im Laserstrahlenschutz	<b>M.Gross</b> , M.Krasilnikov, H.Huck
MBI laser (hardware and maintenance)	<b>M.Gross</b> , (I.Will)
OSS	<b>M.Gross</b> , J.Good
3D ellipsoidal system (hardware and maintenance)	M.Gross, <b>J.Good</b> , C.Koschitzki
Laser beamline incl. diagnostics	<b>M.Gross</b> , J.Good, C.Koschitzki
Laser shape tuning, setup for running	<b>M.Gross</b> , J.Good, M.Krasilnikov
Optomechanics	<b>G.Koss</b>
LBL motors	<b>H.Henschel</b> , B.Petrosyan, D.Kalantaryan
Algorithms for laser beam characterization	<b>M.Krasilnikov</b> , J.Good, C.Koschitzki
Excimer laser in 1L/18	<b>M.Gross</b> , O.Lishilin
Documentation	<b>I.Will</b> (MBI), <b>E.Khazanov</b> (3D), M.Gross
Streak camera	<b>M.Gross</b>
<b>Cathodes</b>	
Developments	<b>S.Lederer</b> , INFN Milano (D.Sertore, P.Michelato, L.Monaco)
Cathode boxes	<b>A.Oppelt</b> , S.Lederer
Cathode box transports	<b>A.Oppelt</b>
Cathode exchanges	<b>M.Krasilnikov</b> , S.Philipp
HUB physics lab (QE setup)	<b>G.Loisch</b>
Cathode DB (CARMA, Server)	<b>B.Petrosyan</b> , <b>D.Melkumyan</b>
Documentation, on-line logbook	<b>A.Oppelt</b>
<b>Gun</b>	
Construction and production process survey	<b>S.Philipp</b> , S.Lederer, (F.Stephan)
Gun preparations: tuning, cleaning, installation	<b>A.Oppelt</b>
IL components: PD, PMT, IR, e-detectors, temperature sensors, ...	<b>M.Pohl</b> , I.Isaev
Conditioning process	<b>I.Isaev</b> , M.Krasilnikov, F.Stephan
Gun cooling	<b>J.Schultze</b> , F.Stephan
Gun IL recovery procedure	<b>I.Isaev</b> , D.Melkumyan
Related RF components: coaxial coupler, T-Combiner, ...	<b>W.Köhler</b> , A.Oppelt
Setup of new guns (all components)	<b>A.Oppelt</b> , S.Philipp
<b>Booster</b>	
IL components: PD, PMT, IR, e-detectors, temperature sensors, ...	<b>M.Pohl</b> , I.Isaev
Booster cooling	<b>J.Schultze</b> , F.Stephan
<b>Magnets</b>	
Ordering of magnets	<b>A.Oppelt</b>
Solenoid movers	<b>D.Kalantaryan</b>
Solenoid BBA	<b>M.Krasilnikov</b>
Dipoles	<b>F.Tonisch</b>
Quadrupoles	<b>H.Huck</b> , P.Boonpornprasert
Steerers: rotating steerer, PCB steerer	<b>Q.Zhao</b> , <b>I.Isaev</b>
Kicker	<b>F.Tonisch</b> , S.Philipp, A.Oppelt
Sweeper	<b>M.Pohl</b>
Bunch compressor magnets	<b>A.Oppelt</b>
Field measurements, degaussing procedures, calibration	<b>P.Boonpornprasert</b> , D.Kalantaryan
IL: cooling, temperature sensors	<b>M.Pohl</b> , J.Schultze
Power supplies	<b>F.Tonisch</b> , A.Oppelt
Data bases	<b>G.Trowitzsch</b> , A.Oppelt

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Topic	Name(s) of the responsible persons
<b>Diagnostic components incl. documentation</b>	
ICT, Faraday Cups	<b>X.Li</b> , F.Tonisch, A.Oppelt
BPM	F.Tonisch, <b>M.Krasilnikov</b> , N.Baboi
Screen material	<b>A.Oppelt</b>
EMSY, controllers	<b>R.Niemczyk</b> , M.Pohl
PST	<b>R.Niemczyk</b> , H.Huck
LEDA, HEDA1	H.Huck
HEDA2	H.Huck
Video System	<b>S.Weisse</b>
TV systems, Cameras, Calibration	<b>Q.Zhao</b> , Y.Chen, R.Niemczyk
Streak system: ports, beamline, camera	<b>M.Gross</b>
TDS commissioning	H.Huck, A.Oppelt
Wire Scanner	A.Oppelt, (HJG)
Beam loss monitors	<b>M.Pohl</b>
<b>Other systems</b>	
HPRF system	<b>L.Jachmann</b> , W.Köhler
LLRF	<b>W.Köhler</b> , L.Jachmann, M.Hoffmann , S.Pfeiffer
Water cooling system	<b>J.Schultze</b> , F.Stephan
Vacuum system	<b>S.Philipp</b> , S.Maschmann, C.Rüger
IL system	<b>M.Pohl</b> , A.Oppelt, I.Isaev
Timing system, master oscillator	<b>F.Tonisch</b>
Machine protection system (BIS)	<b>M.Pohl</b> , J.Schultze, (F.Stephan, A.Oppelt)
Radiation safety (Pandoras, Sources etc.)	<b>I.Bloch</b> , <b>B.Schöneich</b> , A.Oppelt
Beam dump	S.Riemann, (A.Oppelt)
<b>Controls</b>	
Control system	<b>G.Trowitzsch</b> , B.Petrosyan
DAQ system	<b>D.Kalantaryan</b> + subsystem responsibilities
GUI	<b>B.Schöneich</b> , W.Köhler (LLRF)
Computing infrastructure, Licenses, group administrator	<b>M.Krasilnikov</b> , G.Trowitzsch
<b>Running and coordination</b>	
Shift planning and accounting (Shifter)	<b>H.Huck</b> , A.Oppelt
Measurement program, run coordination	<b>H.Qian</b> , M.Krasilnikov, H. Huck
Simulations coordination (pre / post)	<b>M.Krasilnikov</b> , <b>H.Qian</b>
Shutdown planning and coordination	<b>A.Oppelt</b>
Radiation protection issues	<b>I.Bloch</b> , A.Oppelt, F.Stephan
PITZ documentation (coordinate tables, ...)	S.Philipp, A.Oppelt
Energy consumption	<b>O.Lishilin</b>
PITZ webpage	<b>O.Lishilin</b>
PITZ Wiki page	<b>A.Oppelt</b>
PITZ email lists	M.Krasilnikov, A.Oppelt, K.Varschen
PITZ publication list	<b>H.Huck</b>
Teachings on technology	<b>Y.Chen</b>

## List of PITZ responsibilities

Topic	Name(s) of the responsible persons
<b>Plasma experiments</b>	
Coordination	<b>M.Gross</b>
Simulations without BC	<b>G.Loisch</b>
Simulations with BC	G.Asova
PIC simulations	<b>G.Loisch</b>
Plasma chambers (Li + GDC)	<b>M.Gross</b> , G.Koss , O.Lishilin, G.Loisch
<b>THz generation experiments</b>	
Start-to-End simulations	<b>P.Boonpornprasert</b> , M.Krasilnikov
THz station and diagnostics	<b>P.Boonpornprasert</b>
<b>UED experiments</b>	
Simulations	<b>H.Qian</b>
UED experimental setup	<b>H.Qian</b>
<b>Measurement procedures and tools</b>	
SMAC	<b>D.Melkumyan</b>
EmWiz	<b>R.Niemczyk</b> , S.Weisse
MAMA / OMA	<b>H.Huck</b>
SLEM	<b>H.Huck</b> , <b>R.Niemczyk</b>
transverse Tomo	<b>R.Niemczyk</b>
longitudinal Tomo	<b>H.Huck</b>
Software for TDS	<b>H.Huck</b>
Laser positioning on cathode (Mirror56-Tool)	<b>J.Good</b>
FROSST (OSS)	<b>J.Good</b> , M.Krasilnikov
Cathode characterization: QE, QE map, therm. Emittanz	<b>J.Good</b> , M.Krasilnikov, H.Qian
Steering tool PATHFINDER	<b>D.Kalantaryan</b>
Run statistics + TÜV documentation	I.Isaev
Dark current measurement	<b>H.Qian</b>
Charge measurement	<b>X.Li</b>
Resonance temperature measurement	<b>H.Qian</b>
Phase scan tool	<b>M.Krasilnikov</b> , H.Huck
Trajectory optimization, BETA and MKtool	<b>M.Krasilnikov</b> , D.Kalantaryan
Emission studies	<b>M.Krasilnikov</b> , <b>Y.Chen</b>
LILI	I.Isaev
IL statistics	I.Isaev
Software codes (DAQ browser, imScan)	G. Asova
<b>Responsibilities for Meetings</b>	
PITZ Monday Meeting	<b>A.Oppelt</b>
PPS, Run coordination meeting inkl. Webpage	<b>M.Krasilnikov</b> , <b>H. Qian</b>
Video Conferences (FLASH meeting, M-Meeting, Doktorandensemi	M.Krasilnikov, F.Stephan, O.Lishilin
PITZ Collaboration Meeting	M.Gross, <b>F.Stephan</b> , K.Varschen