

## Young Investigator's Workshop -- Monday

Time	Item	Presenter	Details	Affiliation
08:45	Opening	R. Bayerlein	<i>About the Workshop and Organizing Matters</i>	Uni Siegen
09:00	Welcome Talk	P. Thirolf	<i>Introduction and MediNet</i>	LMU Munich
09:30	PET and TOF based range verification in particle therapy	I. Ozoemelum	<i>Towards real-time PET-based range verification in particle radiotherapy</i>	KVI Groningen
10:00		M. Jacquet	<i>A 3D TOF detection system for online range-monitoring in hadron therapy</i>	Uni Grenoble
10:30		T. Rodriguez	<i>Experimental measurement of the production yields of the short lived beta+ emitters <sup>12</sup>N, <sup>29</sup>P and <sup>38</sup>mK for online PET verification in proton therapy</i>	University of Sevilla
11:00	Coffee Break			
11:30	Compton Camera (CC)	T. Binder	<i>Energy Resolution of a Compton Camera Absorber Detector with SiPM Readout</i>	LMU Munich
12:00		H. Bäcker	<i>Investigation of the feasibility of a Compton camera using Cherenkov light from Compton scattered electrons using Geant4 Simulations</i>	Uni Siegen
12:30		N. Kohlhase	<i>Image reconstruction approaches for Compton cameras towards range verification in particle therapy</i>	Uni Lübeck
13:00	Lunch Time	Food at the local Mensa		
14:00	SiFi-CC experiment – new design for online range verification	J. Kasper	<i>The SiFi-CC experiment – a new design for a Compton camera for online range verification in proton therapy</i>	Aachen University
14:30		K. Rusiecka	<i>Investigation of heavy inorganic-scintillator for a fiber-based detector (SiFi-CC)</i>	Institute Krakow
15:00	Poster Session with Coffee and Cake	R. Bayerlein	<i>Gamma ray detection using Cherenkov light from Compton scattered electrons</i>	Uni Siegen
		O. Allegrini	<i>Tests and characterization of BGO blocks for gamma detection in medicine</i>	Institute Lyon
		F. Permatasari	<i>Phase Oscillations Influence Timing Measurements at Medical Treatment Facilities</i>	OncoRay Dresden
		P. Teubig	<i>Detection of high-energy photons with the electromagnetic calorimeter CALIFA</i>	Lisbon
		L. Barrientos	<i>Full characterization of MACACO II Compton telescope for hadron therapy treatment monitoring</i>	Valencia
16:15	Plenary Talk With a Round of Discussions	T. Kögler	<i>Range Verification in Particle Therapy – From Physics in the Lab Towards Clinical Applications</i>	OncoRay Dresden
17:45	End of the Official Part			
19:00	Conference Dinner	Local Food and Beer at Früh Kölsch		

## Young Investigator's Workshop -- Tuesday

Time	Item	Presenter	Details	Affiliation
09:30	Further Developments in Prompt Gamma (PG) Detection	G. Cartechini	<i>Enhancing gamma production for online dose verification in proton therapy</i>	University Trento
10:30		G. Traini	<i>PAPRICA: a pair-production chamber for prompt gamma detection in Particle Therapy</i>	INFN Milan
11:00	Coffee Break			
11:30	PET and TOF-PET (Session 1)	L. Yin	<i>Evaluation of RF shielding materials for highly-integrated PET/MRI systems</i>	RWTH Aachen
12:00		V. Nadig	<i>Update on Multi-channel experiments featuring the TOFPET2 ASIC</i>	RWTH Aachen
12:30		F. Müller	<i>Evaluation and Optimization of a Semi-Monolithic detector providing intrinsic DOI-encoding and TOF-capabilities for Clinical Applications</i>	RWTH Aachen
13:00	Lunch Time	Food at the local Mensa		
14:00	PET and TOF-PET (Session 2)	K. Krüger	<i>Implementation of sorting algorithms in FPGAs for positron emission tomography detector data</i>	RWTH Aachen
14:30		S. Seeger	<i>MERMAID - Radioisotope imaging of small aquatic animals</i>	Uni Lübeck
15:00		W. Adi	<i>Development and Characterization of detectors for measurements of production cross sections of PET-Isotopes for applications in Ion-beam therapy with preliminary simulation results</i>	Uni Gießen
15:30	Discussion and Summary	Final Discussions, Summary Feedback round and official farewell		
16:30	End of the Workshop			
18:30	Evening Program	Visiting the City Center and the Christmas market afterwards (open end)		
	(For those, traveling back on Wednesday)			