

# Metrology for Brachytherapy: State-of-the-art and beyond

## International Workshop

<b>Tuesday, 30 May 2017</b>		
Time	Speaker	Title
13:00 - 13:10		Opening of the Workshop
13:10 - 13:25	Jörn Stenger	Welcome at PTB
13:25 - 13:35	Anette Röttger	An introduction to "Radiation protection dosimetry" at PTB
13:35 - 14:15	Frank-Andre Siebert	Recent proceedings in Brachytherapy Physics
14:15 - 14:55	Thorsten Sander	Air kerma and absorbed dose standards for reference dosimetry in brachytherapy
14:55 - 15:40		Coffee / workshop-photo
15:40 - 16:20	Jose Perez-Calatayud	Societal guidelines in high energy and skin brachytherapy
16:20 - 17:00	Frank Verhaegen	Improving clinical brachytherapy: dosimetry & verification
17:00 - 17:20	Thorsten Schneider	Towards reference dosimetry of electronic brachytherapy sources
17:20 - 17:40	Marion Bug	Relevance of low-energy electron transport for dosimetry and RBE-estimation of Brachytherapy sources
17:40 - 18:00		Discussion
19:30 - 22:30		Workshop-Dinner

## Wednesday, 31 May 2017

Time	Speaker	Title
8:50 - 9:00		Welcome back, organisational matters
9:00 - 9:40	Frank Hensley	Dose measurement at short distances from radiation sources
9:40 - 10:00	Melanie Ebenau	Energy dependent response of plastic scintillation detectors to photon radiation of low to medium energy
10:00 - 10:20	Andreas Schönfeld	In-phantom dosimetry near a $^{192}\text{Ir}$ brachytherapy source
10:20 - 10:40		Discussion
10:40 - 11:20		Coffee / postersession
11:20 - 11:40	Jacob Johansen	Source tracking using real-time <i>in vivo</i> dosimetry
11:40 - 12:00	Loys Gindraux	Architecture and performance of an instrumented phantom for real time HDR-BT QA and QC
12:00 - 12:20		Discussion
12:20 - 12:30		Closing of the workshop
		Lunch
13:30 - 15:00		Lab tour
15:00 - 18:00	Frank Hensley	DIN 6803-3