

Curriculum Vitae (CV)

PERSONAL INFORMATION

Name:
Saad Aldawood
Date of Birth:
10.12.1986 , Riyadh, Saudi Arabia
Nationality:
Saudi
Address:
King Saud University
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EDUCATION

- 2017 : Ludwig-Maximilians-Universität München, München, Germany
PhD in Physics from the Chair of Medical Physics, Faculty of Physics
, **Magna Cum Laude**
Dissertation : *Commissioning of a Compton camera for medical imaging*
- 2011: University of Surrey, United Kingdom
MSc. in Physics "Radiation Detection and Instrumentation", **Distinction**
Dissertation : *The Characteristics of Novel Detector $\text{LaCl}_3\text{:Ce}$ 0.9%*
- 2008: King Saud university, Riyadh, Saudi Arabia
BSc. in Physics, **Second Class Honor**

PUBLICATIONS

- P.G. Thirolf, S. Aldawood, et al. *Development of a Compton Camera for Online Range Monitoring of Laser-Accelerated Proton Beams*, Med. Phys. 40, 144 (2013).
- S. Aldawood, et al. *Comparative characterization study of a $\text{LaBr}_3(\text{Ce})$ scintillation crystal in two surface wrapping scenarios: absorptive and reflective*, Frontiers in Oncology 5, 270 (2015).
- S. Aldawood, et al. *Development of a Compton Camera for prompt-Gamma Medical Imaging*, Radiation Physics and Chemistry (2017).

CONFERENCE PRESENTATIONS

- S. Aldawood, C. Lang, D. Habs, L. Maier, K. Parodi, P.G. Thirolf, *Characterization of a LaBr_3 crystal with multi-anode PMT readout*, Verhandl. DPG (VI) 48, HK 52.7 (2013).
- P.G. Thirolf, S. Aldawood, et al. *Status of the Compton Camera prototype for online range verification of proton beams*, Joint Conference of the SSRMP, DGMP, OGMP, Zurich, Abstract band ISBN 987-3-9816508-5-3, p. 130-3, 2014.

- S. Aldawood, et al. *Development of a Compton camera for online ion beam range verification via prompt γ detection*, DPG (VI) 49, HK 64.7 (2014).
- S. Aldawood, et al. *Development of a Compton Camera for online ion beam range verification via prompt γ detection*, DPG (VI) 50, HK 12.4 (2015).
- P.G. Thirolf, S. Aldawood, et al. *Development of a Compton Camera Prototype for Medical Imaging*, EPJ Web of Conferences 117, 05005 (2016).
- S. Aldawood, et al. *Commissioning of a Compton camera for ion beam range verification via prompt-gamma detection using low-energy and clinical particle beams*, Radiation Therapy and Oncology 118, suppl. 1, s2 (2016), ISBN 0167-8140

SKILLS

Languages:

Arabic: *Mother tongue*

English: *Fluent*

German: *Basic level*

Programming:

C++

ROOT

Matlab

Labview

Monte Carlo (MC): Fluka

Monte Carlo (MC): Geant4