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### Education:

- (2014 - present), Postgraduate studies: High energy physics, Faculty of Science, University of Kragujevac completed PhD program with 9.4 out of 10. Ongoing PhD thesis on sensitivity of the Compact Linear Collider (CLIC) to measure  $\sigma_{H\nu\nu} \times BR(H \rightarrow \gamma\gamma)$
- (2018), Tohoku University, Japan, (ROIS) Scholarship
- (2013), Graduate studies: Applied physics, Faculty of Science, University of Kragujevac.

### Work experience:

(2014), Research Assistant at the Vinca Institute for Nuclear Sciences, HEP group

(2014), Member of the CLIC Detector and Physics Collaboration (CLICdp) at CERN

### Contribution to conferences and workshops:

- ALPS2019, 22-26 April, Obergurgl, Austria
- CLIC Workshop 21-25 January 2019, CERN
- 32<sup>nd</sup> FCAL Workshop, 10-11 May 2018, Krakow, Poland
- CLIC Workshop 22-26 January 2018, CERN
- 31<sup>st</sup> FCAL Workshop, 3-4 September 2017, Belgrade, Serbia
- CLIC Workshop 6-10 March, 2017, CERN
- 25<sup>th</sup> FCAL Workshop 12-13 October, 2014 Serbia
- 24<sup>th</sup> FCAL Workshop, 26-27 May, 2014, ISS Bucharest
- ESHEP 2015, 2-15, September, Bansko, Bulgaria
- ISTAPP – International School of Theory and Analysis in Particle Physics 30 January-14 February 2011, Istanbul

**Publication list:**

- G. Kačarević, I. Božović-Jelisavčić, N. Vukašinović, Physics potential for the measurement of  $\sigma(H\nu\bar{\nu}) \times BR(H \rightarrow \gamma\gamma)$  at 3 TeV CLIC, *in preparation*
- N. Vukašinović, I. Božović-Jelisavčić, G. Kačarević, P. Roloff, T. Agatonović-Jovin, G. Milutinović-Dumbelović, Physics potential for the measurement of  $\sigma(H\nu\bar{\nu}) \times BR(H \rightarrow ZZ^*)$  at 1.4 TeV and 3TeV CLIC collider, *in preparation*
- CLICdp Collaboration, Higgs Physics at the CLIC Electron-Positron Linear Collider, *Eur. Phys. J. C* 77 (2017) 475.
- I. Božović-Jelisavčić, G. Kačarević, Potential and challenges of the physics measurements with very forward detectors at linear colliders, *Nucl.Part.Phys.Proc.* 273-275 (2016) 1084-1089
- G. Milutinović-Dumbelović, I. Božović-Jelisavčić, G. Kačarević, Measurement of the branching ratios for the standard model Higgs decays into muon pairs and into Z boson pairs at a 1.4 TeV CLIC, *AIP Conf.Proc.* 1722 (2016) 070006
- G. Milutinović-Dumbelović, I. Božović-Jelisavčić, C. Grefe, G. Kačarević, S. Lukić, M. Pandurović, P. Roloff, I. Smiljanić, Physics potential for the measurement of  $\sigma(H\nu\bar{\nu}) \times BR(H \rightarrow \mu^+\mu^-)$  at the 1.4 TeV CLIC collider, *Eur. Phys. J. C* 75 (2015) 515.

**Collaboration papers:**

- The Compact Linear Collider (CLIC) - 2018 Summary Report, CERN-2018-005-M
- Top-Quark Physics at the CLIC Electron-Positron Linear Collider, CLICDP-PUB-2018-003
- Updated baseline for a staged Compact Linear Collider, CERN-2016-004, 2016.

**Scholarship:**

- Tohoku University Research-Oriented Incoming Student (ROIS) Scholarship