



Ehsan Ebrahimibasabi 2016

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Personal Information

- **Date of Birth:** 1985
- **Nationality:** Iranian
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Education

- **2010-2015:** PhD degree in Radiation Applications Engineering from Shahid Beheshti University of Tehran
Supervisor: Dr S.A.H. Feghhi
PhD Thesis : Design and Construction of Multi Array Faraday Cups for Measurement of the Accelerator Beam Profile.
- **2007-2010:** MSc degree in Radiation Applications Engineering from Shahid Beheshti University of Tehran
Supervisor: Dr F. Abbasi Davani
M.Sc Thesis: Simulation and Conceptual Design of Magnets for Alignment of Particle Beams
- **2003-2007:** Bachelor's degree in Physics from Yazd University, Yazd, Iran.

Languages

- Persian: Fluent (Mother tongue)
- English: Good
- Russian: Elementary

List of Publications: Journal Papers:

1. E. Ebrahimibasabi and S.A.H. Feghhi “*Monitoring transverse beam profiles of a Penning ion source using a position-sensitive Multi Array Faraday Cup*” Journal of Instrumentation, 10 (2015) 06, P06003 . doi:10.1088/1748-0221/10/06/P06003
2. E. Ebrahimibasabi and S.A.H. Feghhi “*Design and construction of a secondary electron suppressed Faraday Cup for measurement of beam current in an electrostatics proton accelerator*” International Journal of Mass Spectrometry, (2015), Volume 386, Pages 1–5. doi:10.1016/j.ijms.2015.05.006
3. E. Ebrahimibasabi and F. Abbasi Davani “*Design and simulation of solenoid for buncher of a linear accelerator*” Journal of Energy and Power Engineering, 5 (2011) 1154-1158. doi:10.1115/ICONE18-29744
4. E. Ebrahimibasabi, S.A.H.Feghhi, M. Nikhbakht, M. Shafiee.“*Beam Profile Measurement of ES-200 Using Secondary Electron Emission Monitor*” Iranian Journal of Physics Research, (2015), Volume 15, Number 2, (in Persian).
5. S. Ahmadian, F. Abbasi Davani, F. Ghasemi, E. Ebrahimibasabi “*A simple Thermionic Electron Gun for the Injector of an Electron Linear Accelerator*” journal of Nuclear Science and Technology, (2012), 48-58.

Paper in National Conferences:

1. E. Ebrahimibasabi, S.A.H. Feghhi, M. Khorsandi “*Design and Simulation of a New Faraday Cup for ES-200 Electrostatic Accelerator*” Proceedings of RUPAC2012, Russia, WEPPD061, (2012), 682-684.
2. M. Asgarpour, S. A. H. Feghhi, E. Ebrahimibasabi, M. Khorsandi, N. Khosravi “*Design, Simulation and Optimization of a Solenoid for ES- 200 Electrostatic Accelerator*” Proceedings of RUPAC2012, Russia, WEPPC024, (2012), 498-499.
3. N. Khosravi, S. A. H. Feghhi, E. Ebrahimibasabi “*A Simulation Study on Accelerator Cavities for a SW Linac*” Proceedings of RUPAC2012, Russia, Russia, WEPPC001, (2012), 445-447.
4. M. Shafiee, S. A. H. Feghhi, E. Ebrahimibasabi “*Design and Construction of Inductive BPM*” Proceedings of IPAC2012, New Orleans, Louisiana, USA, MOPPC067, (2012), 289-291.
5. M. Shafiee, S. A. H. Feghhi, E. Ebrahimibasabi “*Design of Magnetic BPM and Error Correction*” Proceedings of DIPAC2011, Hamburg, Germany, TUPD25, (2011), 359-361.

Skills

Accelerator Physics, Beam diagnostics, Experimentain, Simulation, Matlab, CST Particle Studio, Maxwell, Multisim