

Curriculum Vitae- Sergey Vaintraub

Date of birth 28/6/1978; Married + 3

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Education:

2009-2014: **PhD in Physics** (supervisors – **Prof. Michael Hass and Dr. Israel Mardor**) at Weizmann Institute of Science in Rehovot , Israel. Dissertation submitted to the Institute in August 2014.

Thesis subject: “Precision measurements of beta neutrino correlation”.

2008: **Master’s degree in Physics** (supervisor **Prof. Nir Barnea**) at The Hebrew University Of Jerusalem (M.Sc).

Thesis subject: “Solution to the ⁶He Beta Decay theory – experiment discrepancies”.

2004: **Bachelor of Integrated program in exact sciences (Physics + Chemistry)** at The Hebrew University Of Jerusalem (B.Sc).

Work Experience:

2008- present: **Physicist** at The Soreq nuclear research center. My work includes:

- ❖ *Monte Carlo simulations, data acquisition and data analysis*
- ❖ *Work with different radiation sources and detectors*
- ❖ *Construction, design of scientific equipment and experiments*
- ❖ *Students supervision*
- ❖ *Projects management*

Skills:

- ❖ *Excellent computer skills in: C++, Fortran, Geant4, MCNP, LABVIEW, Root, Matlab and many more*
- ❖ *Experience with diverse data acquisition equipment and other scientific electronics*
- ❖ *Creativity, thoroughness, fast learning ability, reliability and persistency*
- ❖ *Ability to work under pressure, establish priorities, plan work assignments and work at team*
- ❖ *Excellent presentation, communication and guidance skills*

Languages:

English, Russian, Hebrew

Awards/Trophies:

- **Amnon Einav Award** for excellent student work – at Israeli Nuclear Societies conference (Dead Sea, 2012)
- **Ephraim Katzir Scholarship**

Military Service:

1996-1999: I served in the Border Police, as a fighter in the eastern part of Jerusalem (near the walls of the Old City).