SESSION: MATROSHKA RESULTS

## MATROSHKA 1 – MATROSHKA 2 A: TLD Data Intercomparison

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The talk will give a brief overview concering the status of the MATROSHKA experiment, summing up MTR 1 and MTR 2 A as well as giving the newest information about the MTR experiment phase 2B. The main focus will be on the data intercomparison of TLD absorbed dose data for MTR 1 and especially for MTR 2 A. The TLD data intercomparison for MTR 2A will first focus on the TLD data gathered by the different groups participating in the MATROSHKA experiment from the reference, organ and poncho boxes. The second intercomparison will deal with the 3D dose distribution established with TLDs from the Atomic Institute of the Austrian Universities (ATI), Vienna, Austria, the Institute of Nuclear Physics (IFJ), Krakow, Poland, and DLR. For the first time the whole data set of 3D dose distribution data from an anthropomorphic phantom experiment exposed outside (2004 – 2005) and inside (2006) the International Space Station will be compared and the differences between the out- and the inside exposure will be discussed in detail.