

# Instruction to operate High Voltage Power supply for the TRT SR1 Setup

To operate the HV System next steps are required:

1. Start application **HVATLAS.EXE** which can be found at C:/Dubna Soft/ on the HV PC next to the test stand (xxx-xxx-xxx.cern.ch) This window appears (see attached file) HVApplication\_1.bmp:

HVApplication\_1.bmp

2. Switch on high voltage supply by checking appropriate check-boxes BV0, BV1, BV2 и BV3. Red LED lights will appear at crate controller showing proper branches of HV supply.

3. Click on **LOAD ALL DETECTED CELLS** to get a window which allows to set Load Parameters for all cells (LOAD PARAMETERS). In fig. below typical load parameters are shown. U cell voltage, U Stb stand-by voltage, I lim cutoff current, U RUMP UP/DOWN speed of increasing of voltage, I Protect Del delay. In order to set parameters it's necessary to click play buttons for every parameter.

HVApplication\_2.bmp: HVApplication\_2.bmp

4. To switch on all cells check tick in check-box ALL NO/OFF . Cell color will be grey at first during the setup process and then it will change to green when all parameters are setup

5. Switching off the HV should be done in opposite order. First you should remove a tick in check-box All ON/OFF . After that removing ticks in low voltage check-boxes.

6. Operating of single cell is possible. It's needed to click on cell number and setting window appears. This window is almost the same as one in point 3. Thus, you can set different meaning of voltage for different cells. Buttons GEN ON and GEN OFF turn on and turn off the cell correspondingly. Middle button indicator shows status of the cell (in fig. green color means that cell is ON). Meaning of cell voltage and current are shown at appropriate positions near inscriptions READ U [V] and READ I [mA]. HVApplication\_3.bmp:

HVApplication\_3.bmp

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This topic: Sandbox > KonstantinZhukovSandbox

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