# Short description of the measurements with the Transistor Tester Version 1.11k

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March 15, 2021

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## Chapter 1

## Beschreibung der BJT-Messungen

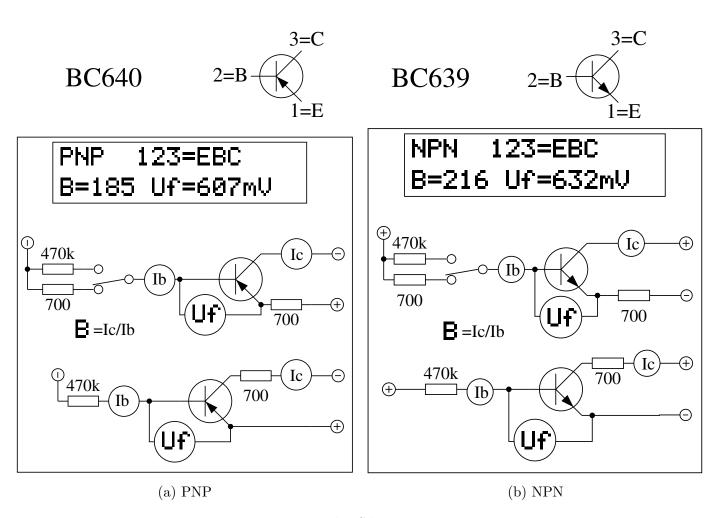


Figure 1.1. Bipolar Silizium transistors

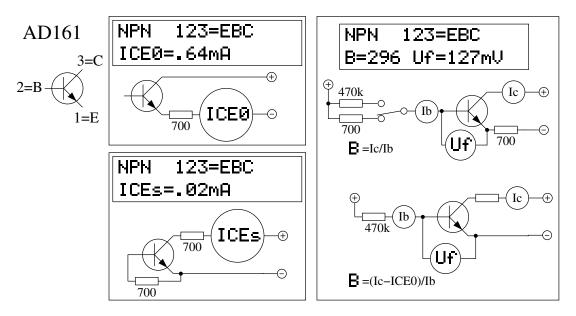


Figure 1.2. NPN Germanium transistor

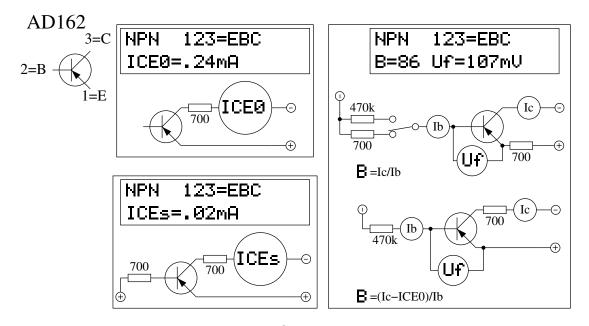


Figure 1.3. PNP-Germanium-Transistor

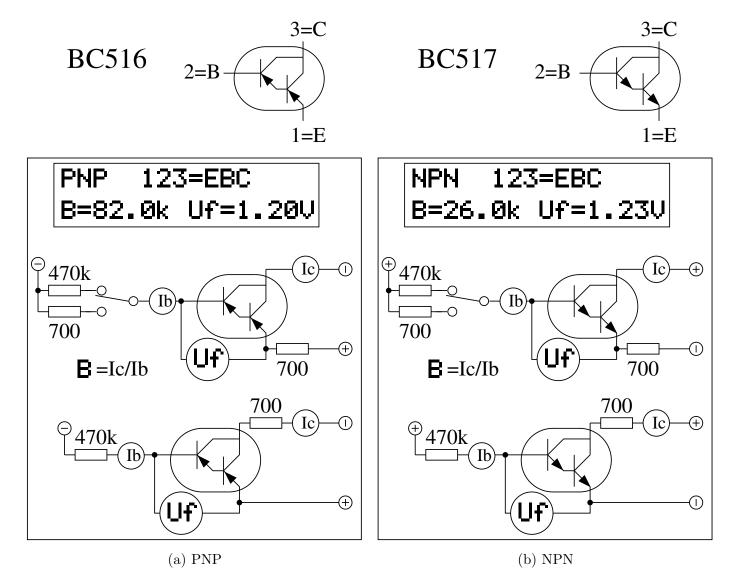


Figure 1.4. Silizium Darlington transistors

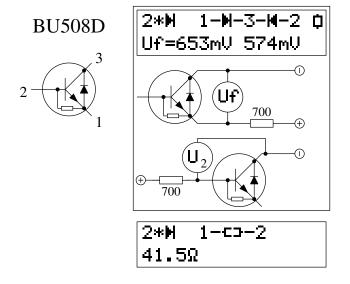


Figure 1.5. NPN-Transistor with diode and resistor

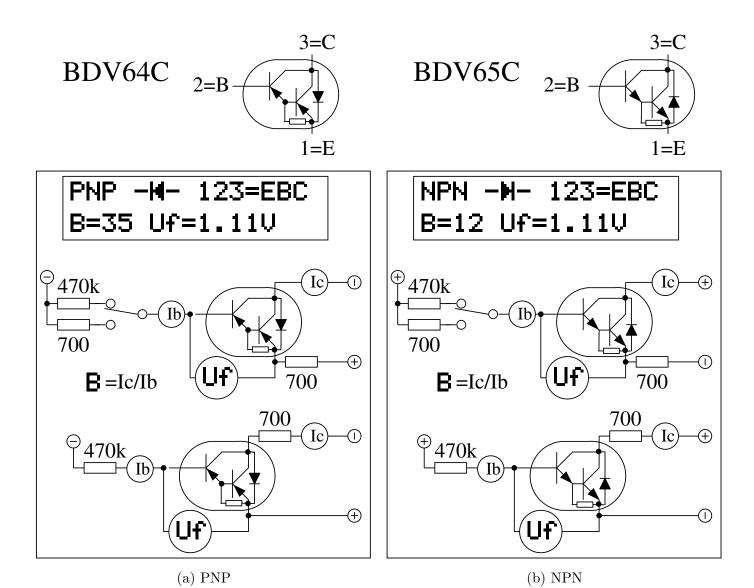


Figure 1.6. Silizium Darlington transistors

### Chapter 2

## Description of MOSFET measurements

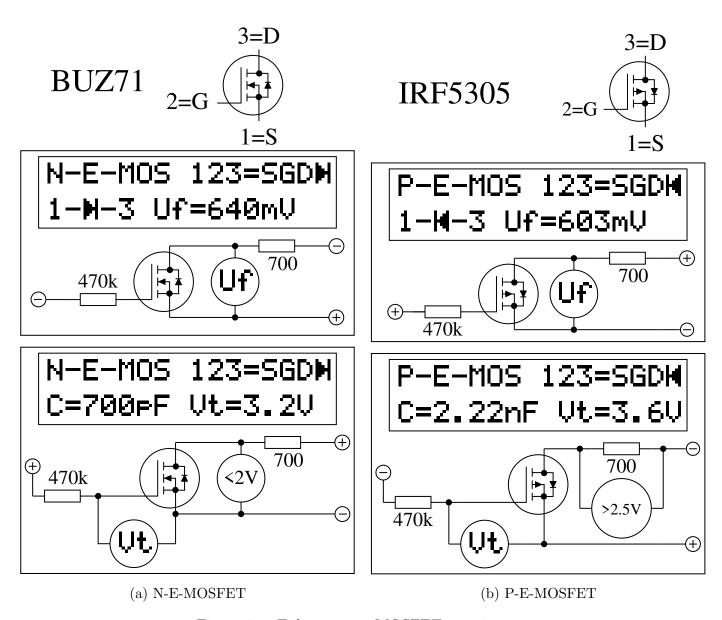


Figure 2.1. Enhancement MOSFET transistors

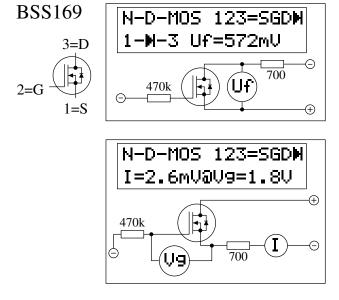


Figure 2.2. N-D-MOSFET

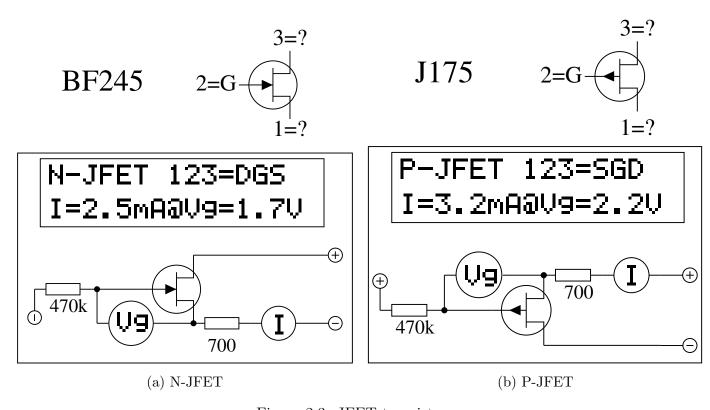


Figure 2.3. JFET transistors

### **Bibliography**

- [1] Markus Frejek AVR-Transistortester, Embedded Projects Journal, 11. Ausgabe, 2011
- [2] Atmel Corporation 8-bit AVR with 8KBytes In-System Programmable Flash ATmega8(L),. Manual, 2486Z-AVR-02/11, 2011
- [3] Atmel Corporation 8-bit AVR with 4/8/16/32KBytes In-System Programmable Flash AT-mega48 ATmega328, Manual, 8271D-AVR-05/11, 2011
- [4] http://en.wikibooks.org/wiki/LaTeX LaTeX documentation,. Guide to the LaTeX markup language, 2012
- [5] Wikipedia http://de.wikipedia.org/wiki/Equivalent\_Series\_Resistance Erluterung zum ESR. Normung und Ersatzschaltbild eines Kondensators, 2012
- [6] http://www.xfig.org/userman Xfig documentation,. Documentation of the interactive drawing tool xfig, 2009
- [7] http://docs.gimp.org/2.6/de gimp documentation. Documentation of the GNU Image Manipolation Program, 2010
- [8] http://www.mikrocontroller.net/articles/AVR-Transistortester Online documentation of the Transistor Tester, Online Article, 2009-2011
- [9] http://www.mikrocontroller.net/articles/AVRDUDE Online documentation of the avrdude programmer interface, Online Article, 2004-2011
- [10] http://www.mikrocontroller.net/topic/131804 Thread von Markus F., Forum thread, 2009
- [11] http://www.mikrocontroller.net/articles/AVR\_Transistortester Short decription of the TransistorTester von Karl-Heinz K., Online Article, 2012
- [12] http://www.mikrocontroller.net/topic/248078 Thread von Karl-Heinz K., Thread and early Software versions, 2012