

## Mechanical assembling of the photodiodes

On the photo right an open section of our photodetector is shown. To a former of a trap detector, a photodiode is assembled facing the radiation beam approaching from downwards. The soldering to photodiodes has not been finished.

The photodiode is supported by Element 2 from the back side. To hold the supporting disk immovable, an M3 screw is used. Two screws fix a metal bar Element 1 to the former. In such a way photodiodes are mounted reliably in the recesses without applying any glue.

Once assembled, soldering is finished and formers enclosed in housing. The photodiodes can be removed and replaced one by one, if needed in later use, still maintaining performance of a multi-element photodetector.

