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## The SPS Beam Dump

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During the 2006 SPS run problems with the SPS beam dumping system were encountered. The newly installed beam dump block TIDVG showed strong outgassing when high intensity beams were dumped on the block. This often resulted in an interlock of the injection kicker system MKP located close to the TIDVG and by this stopping the SPS operation. Possible cures for 2007 and longer term options are presented. During the same period one of the two vertical beam dump kickers MKDV suffered from high voltage breakdowns. During the year the operational voltage of both MKDV magnets was lowered significantly, giving a temporary solution to this problem. The disadvantages of this operational mode are explained, together with the foreseen hardware improvements to the MKDV kicker system for the short and long term.

**Author:** UYTHOVEN, Jan

**Presenter:** UYTHOVEN, Jan

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