

The New ISOLDE Frontends

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A new design of Frontend has been developed at ISOLDE in view of replacing the existing and aging Frontends. Whilst maintaining compatibility with the present target design, new improvements and modifications have been incorporated into Frontend #6 and #7. These include simplified mechanics, a ceramic high voltage insulator, metallic joints, re-design of the beam optics, a rigid chassis and an auto-centering coupling table. The Frontend #6 has been tested and will be installed in February 2010. Frontend #7 is currently under construction and will be installed one year later. This talk will outline the improvements of the new Frontends and will touch on the renovation of the controls and HT transfer tube modifications also foreseen during the coming shutdown period.

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