



Contribution ID: 34

Type: **Poster**

Last development on IBA Cyclone30 family

Friday, 11 May 2012 11:50 (20 minutes)

During these 2 last years, IBA developed and proposed two new versions of its famous Cyclone 30: the Cyclone 30HC, which is a high current version able to accelerate up to 1.2 mA at 30 MeV, and the Cyclone 30XP, which is a multi-particle version (proton-deuterons and alphas), inspired by the Cyclone 70 XP.

During the last months, the high current version successfully completed the site acceptance tests in Turkey (1.2 mA accelerated on one extraction port, dual beam production in $2 \times 500 \mu\text{A}$). The machine shows an exemplary behavior during commissioning and acceptance and the handover by the customer have been done in begin of March.

The multi-particle version ended up its factory acceptance tests (e.g. mechanical integration, tests of functionalities) at Louvain La Neuve and the rigging and installation is planned for mid of April. The beam acceleration and full power tests will be validated on site but most of the risks have been mitigated during the factory tests. The poster will summarize the achievements and current development status for both of the new machines.

Please indicate preferred presentation (poster or talk?)

poster

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Session Classification: Poster Session