

**First Year Operation of the ALPI Post-Accelerator,**  
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During the last 12 months, beams of different injection  
energies and ion species were accelerated with the  
medium beta section of ALPI ( $\beta = 0.11$ ) and delivered  
to the experimental halls. The main components of the  
post-accelerator, namely the cryogenic plant, the  
pulsing system, the optical and diagnostic elements for  
the beam transport, the vacuum, rf and control systems  
have been widely tested under different conditions.  
The average accelerating field over the 44 installed  
superconducting lead on copper resonators turns out to  
be 2.3 MV/m and the phase locking procedure for the  
44 resonators is normally completed in about 10 hours.  
The overall transmission towards the post-accelerator is  
70% with the DC beam and up to 50% with the pulsed  
and accelerated beam, the current on target is of the  
order of some p-nA.