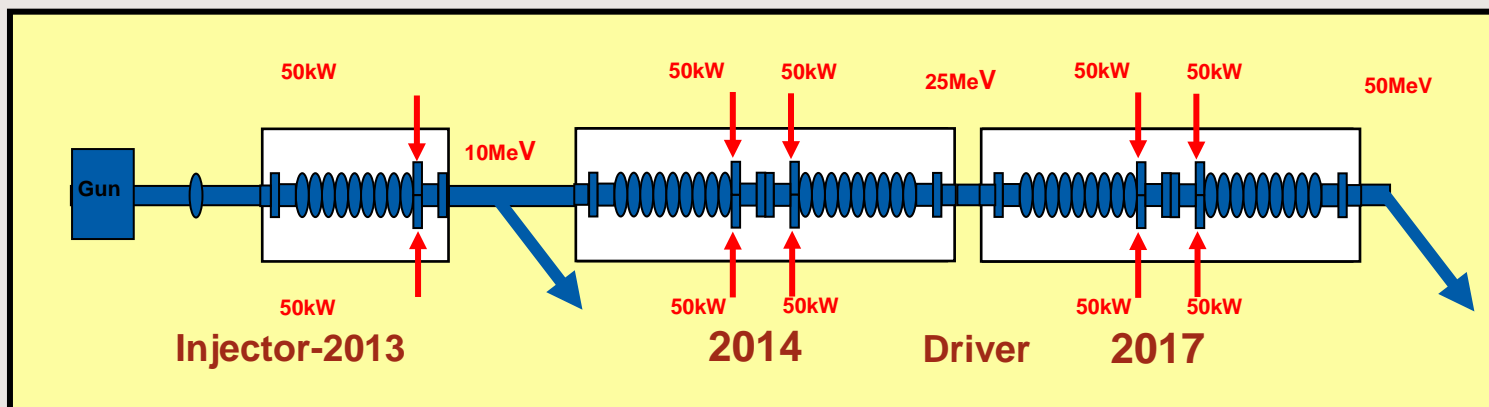


SRF Developments

Bob Laxdal
SRF Department Head



- The ARIEL e-Linac requires one nine-cell in the injector section and four nine-cell cavities in the accelerator section
- Cavities are heavily beam loaded so performance requirement is only 10MV/m at $Q_0 > 1e10$
- Presently two nine-cells have been fabricated by PAVAC with two more expected in Feb. and March
- First cavity was degassed at FNAL and reached $Q_0 = 7e9$ at 10MV/m – now being jacketed for CM assembly
- Second cavity now at FNAL for degassing $Q_0 = 7e9$ before degassing – will retest next month after degassing



Thanks, Merci



TRIUMF: Alberta | British Columbia | Calgary | Carleton | Guelph | Manitoba | McGill | McMaster | Montréal | Northern British Columbia | Queen's | Regina | Saint Mary's | Simon Fraser | Toronto | Victoria | Winnipeg | York

