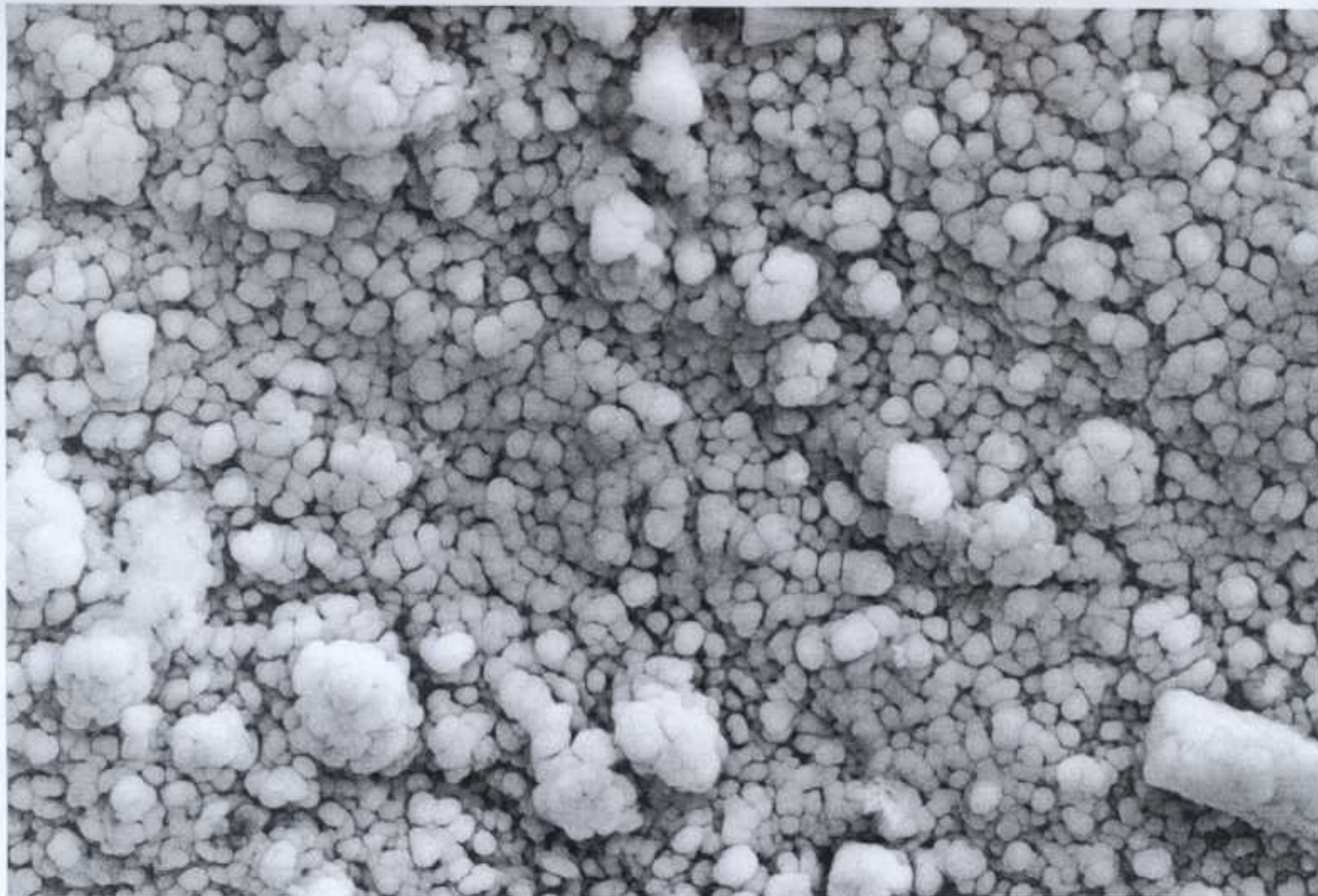


ESRF visit 11 May 04

- joined experiment of **T. Perron & L. Farvaque**
- orbit for **uniform fill vs. single bunch**, 1-mm **bump** at ID with **varying gap** or achromat with factor 2 different **bunch lengths**
- **global impedance** by exciting 16 correctors individually
- impedance fit reproducibility 2 k Ω /m (few %)
- **two models of broadband impedance** – one based on old beam measurements (P. Kernel), the other based on **GdfidL** (T. Gunzel) - 2 GHz vs 22 GHz!
- MD measurement consistent with GdfidL
- T. Perron's talk at CERN, **AB forum 1 June 2004**
- streak camera 0-current σ_z 21 ps vs. 15 ps expected – reason of difference unknown
- **surface roughness of NEG** on Al measured $\sim 1 \mu\text{m}$



LEO
by power to vision

LEO 1530

Serial No. - LEO 1530-21-90

Mag = 9.01 K X

1µm

EHT = 20.00 kV

WD = 9 mm

Signal A = SE2

Output To = Default Printer

Date :23 Mar 2004 Gun Vacuum = 8.30e-010 Torr

Time :11:42:18

Noise Reduction = Line Int. Done