

Visita all'Elettra, giovedì 16 marzo 2023



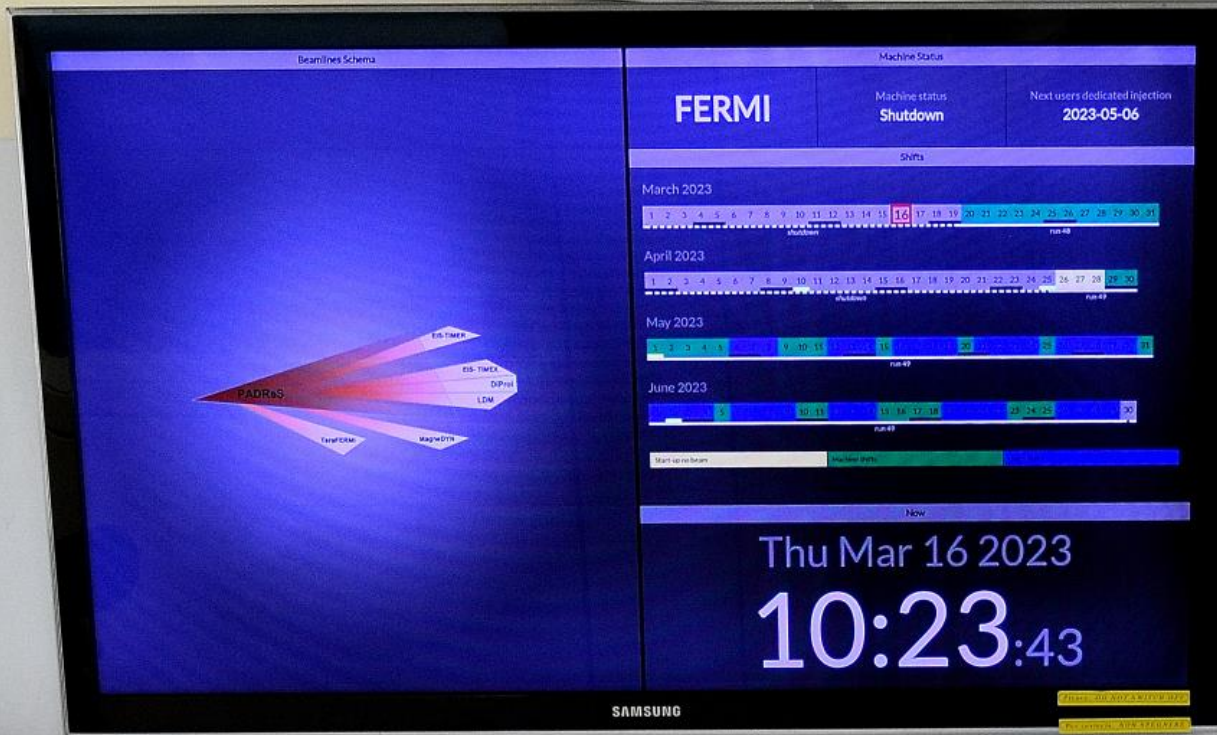
Foto di Nadja Granduc e Giorgio Susel
Elaborazione multimediale di Bruno Pizzamei







Elettra Sincrotrone Trieste









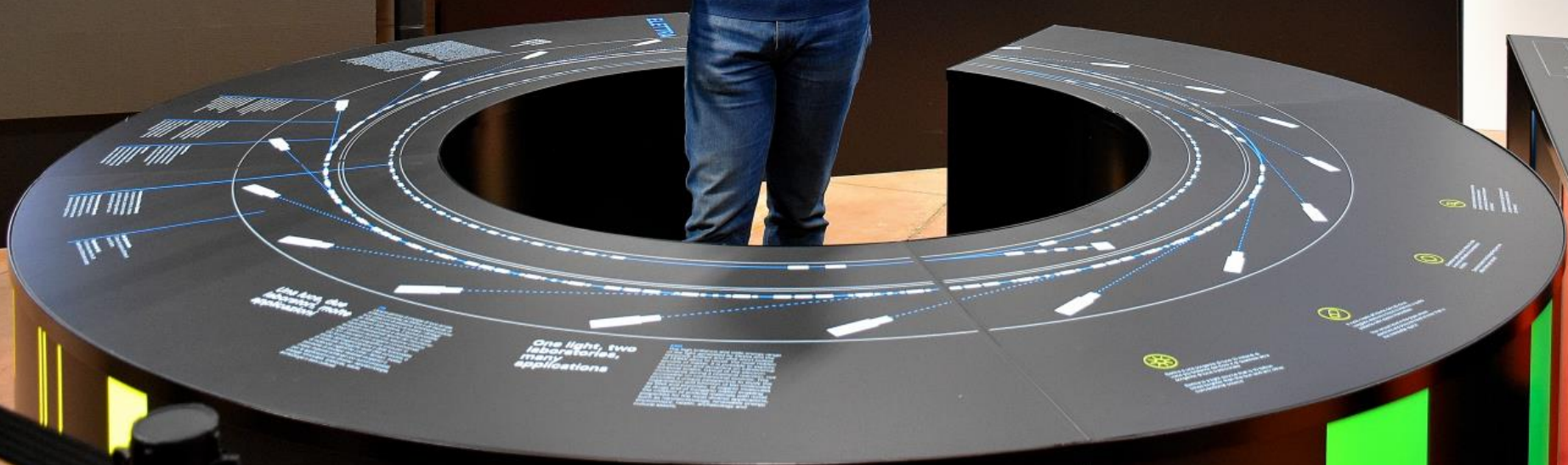


WE
SEE
MORE
(urs)

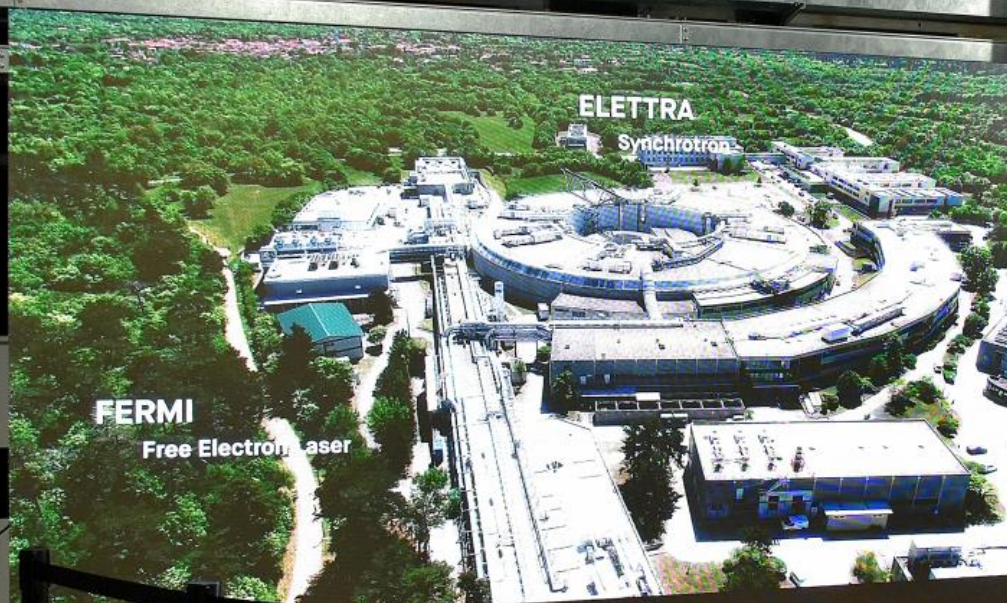
WE
SEE
MORE



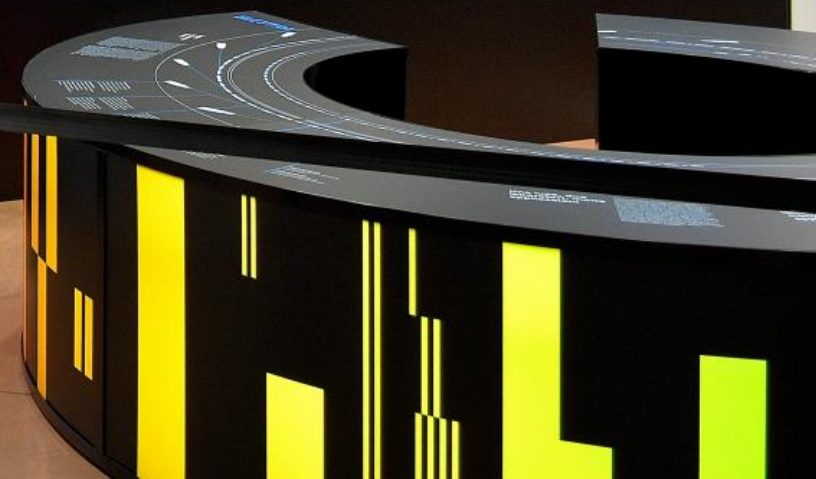
- 1 Acceleratore lineare | Linac
- 2 Booster | Booster
- 3 Anello di accumulazione | Storage Ring
- 4 Linee di luce | Beamlines



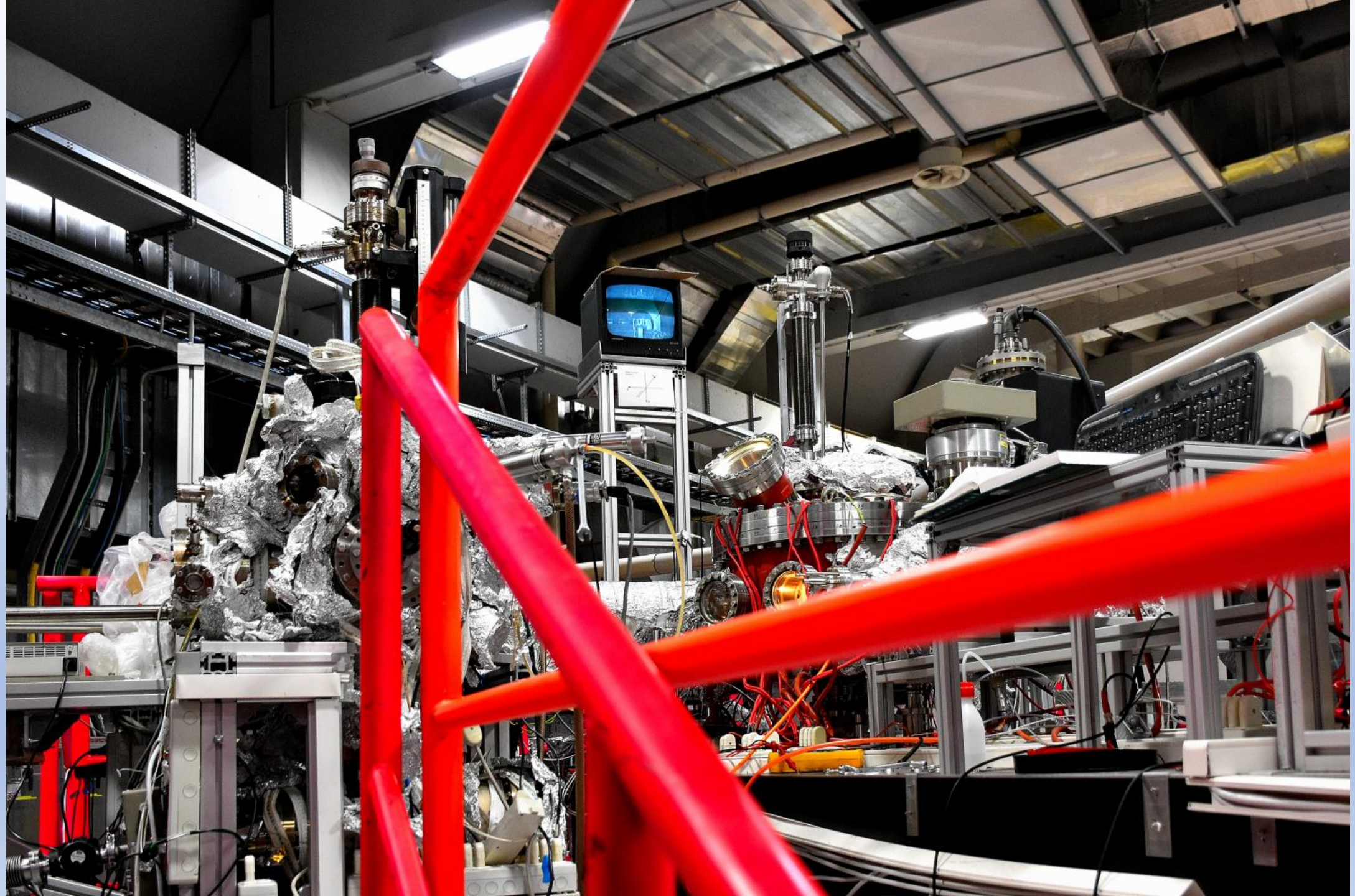




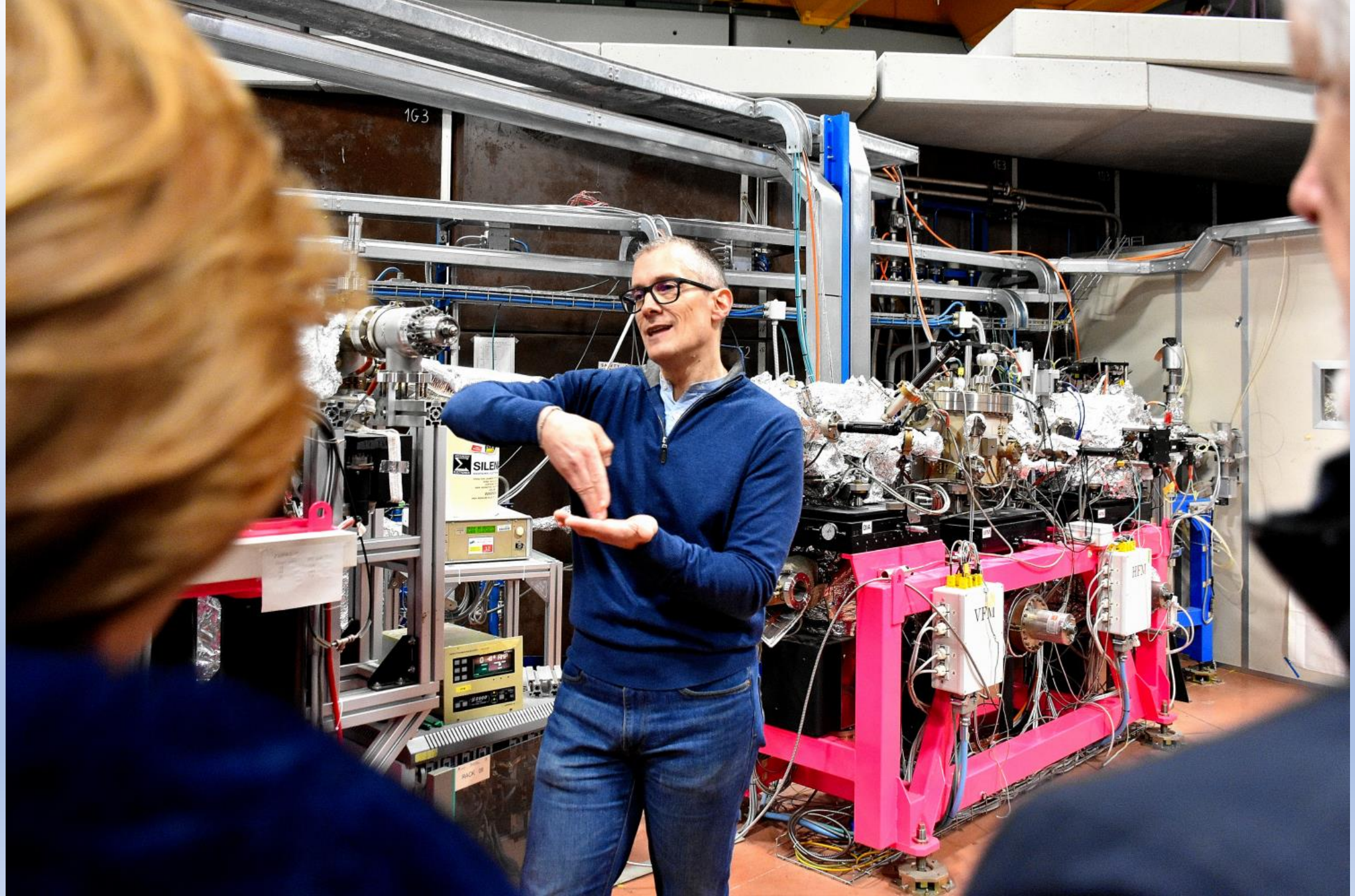
WE
SEE
MORE
(than colours)

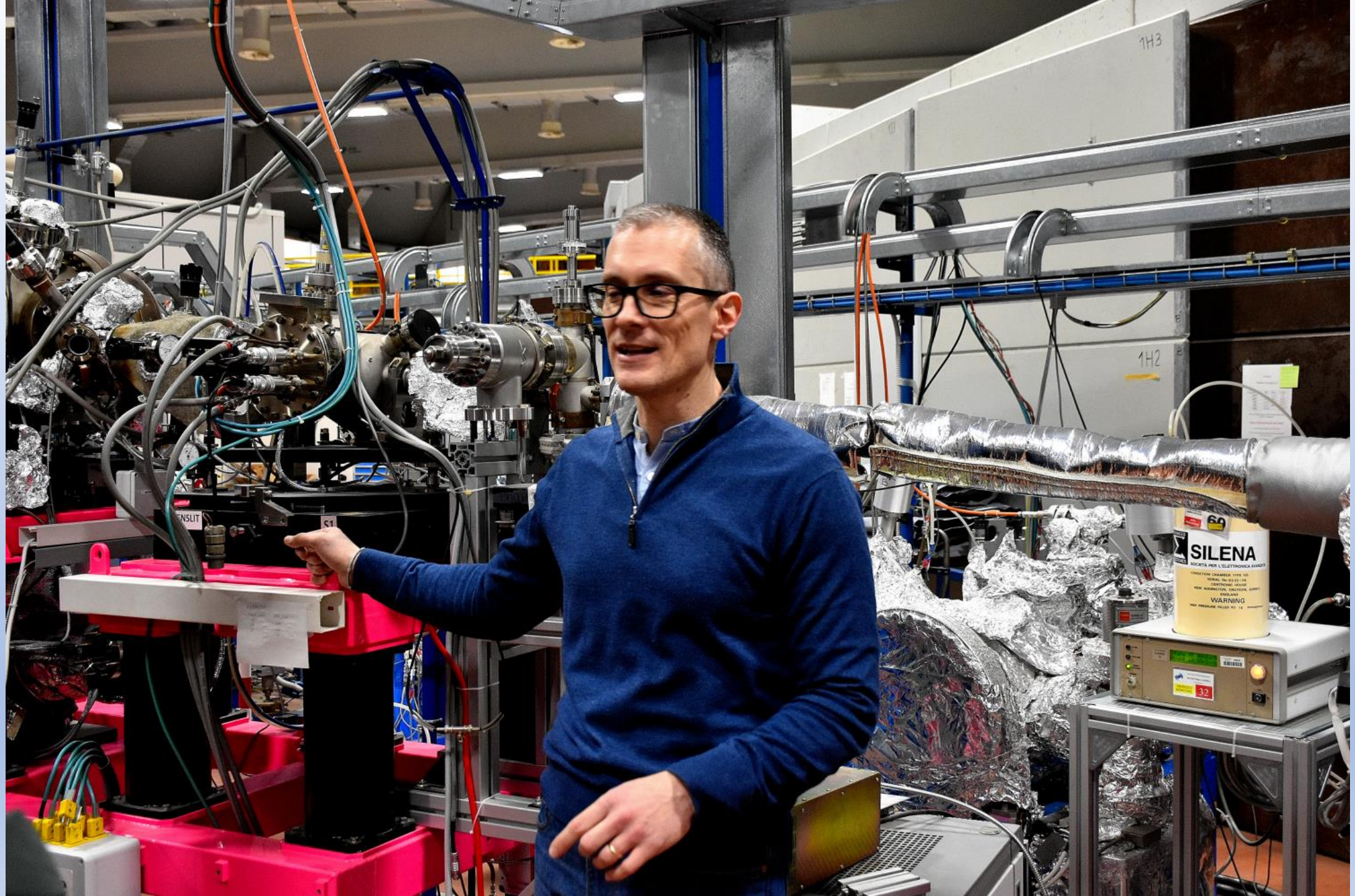


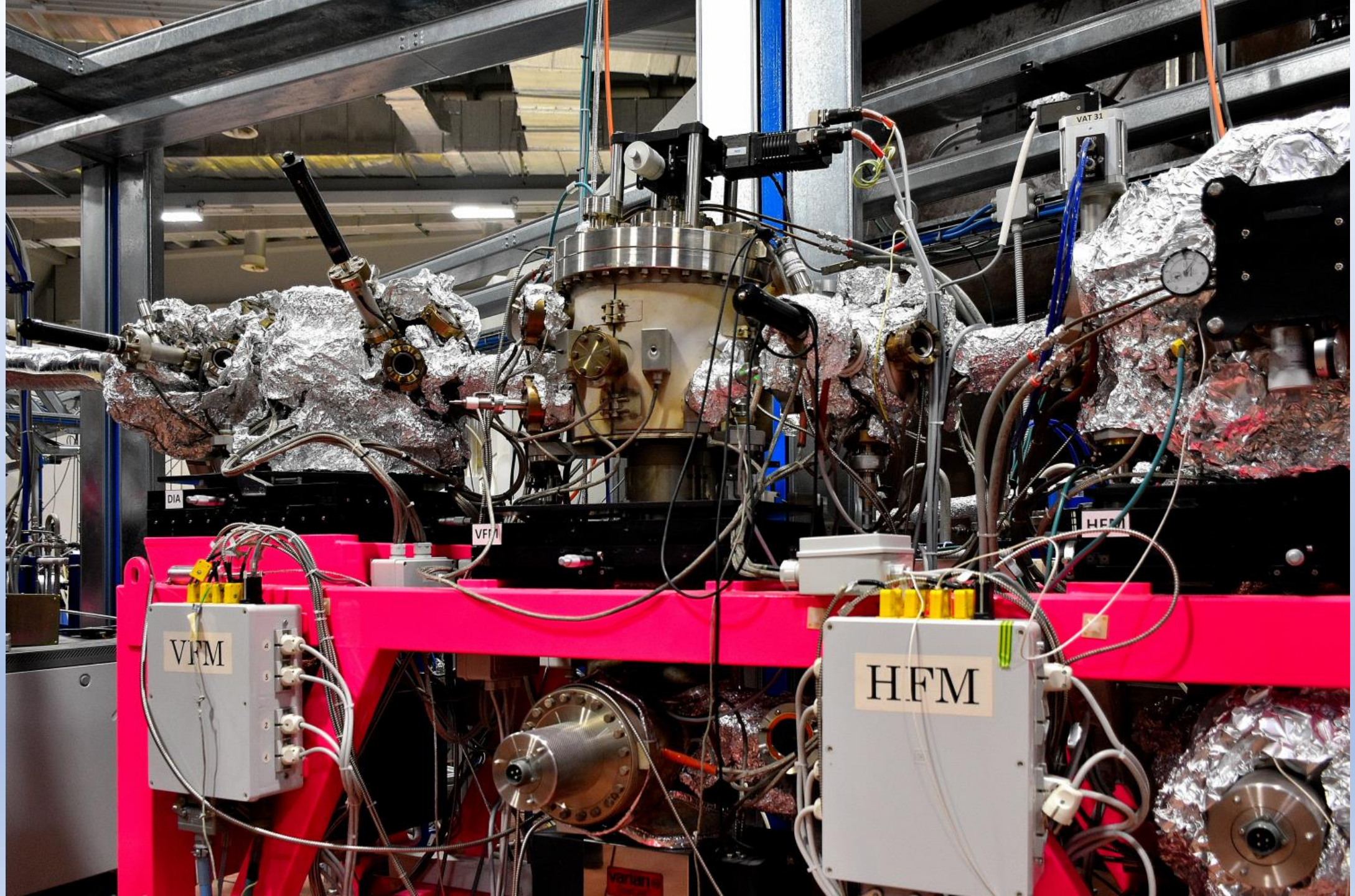


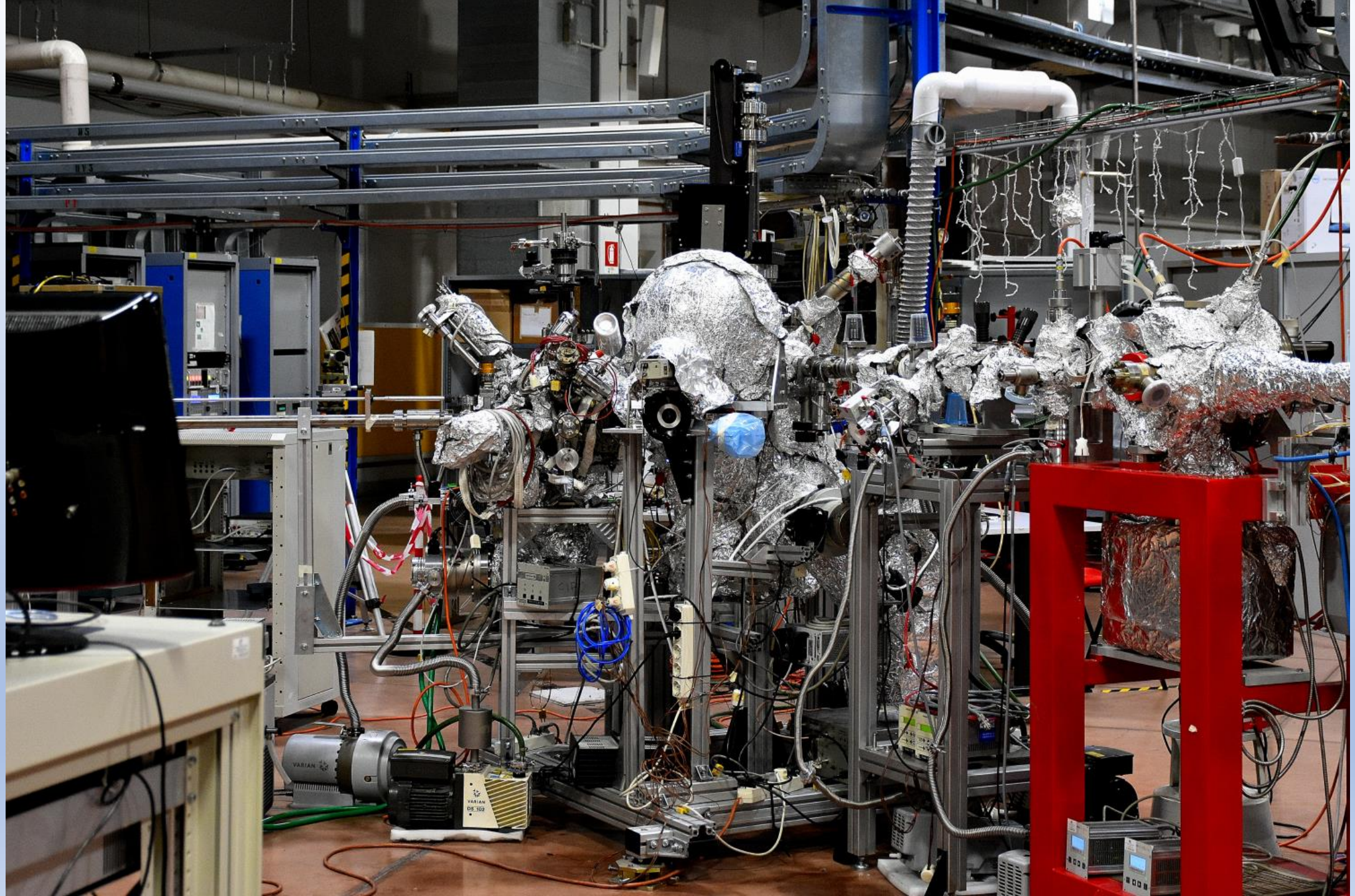


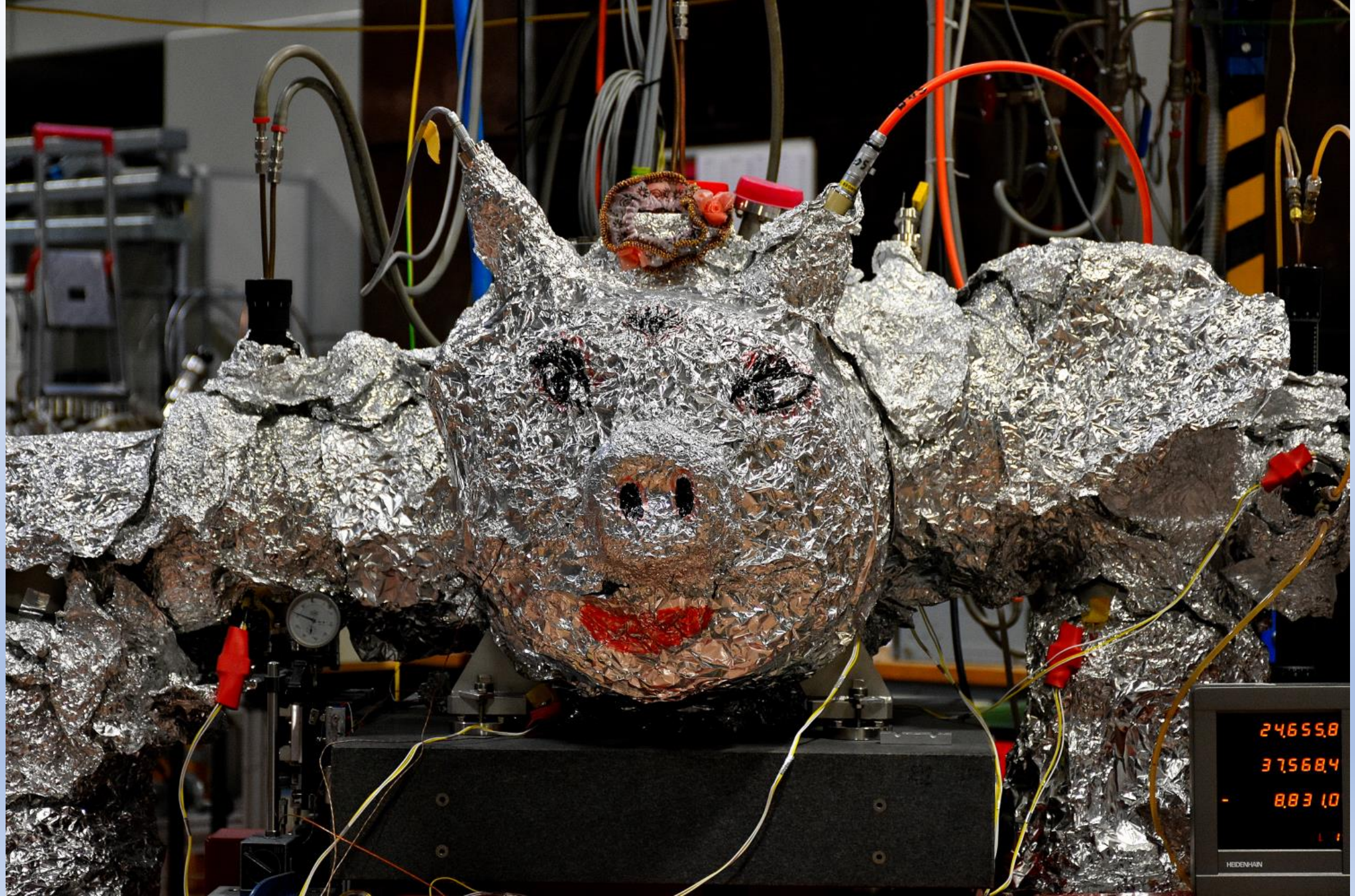




















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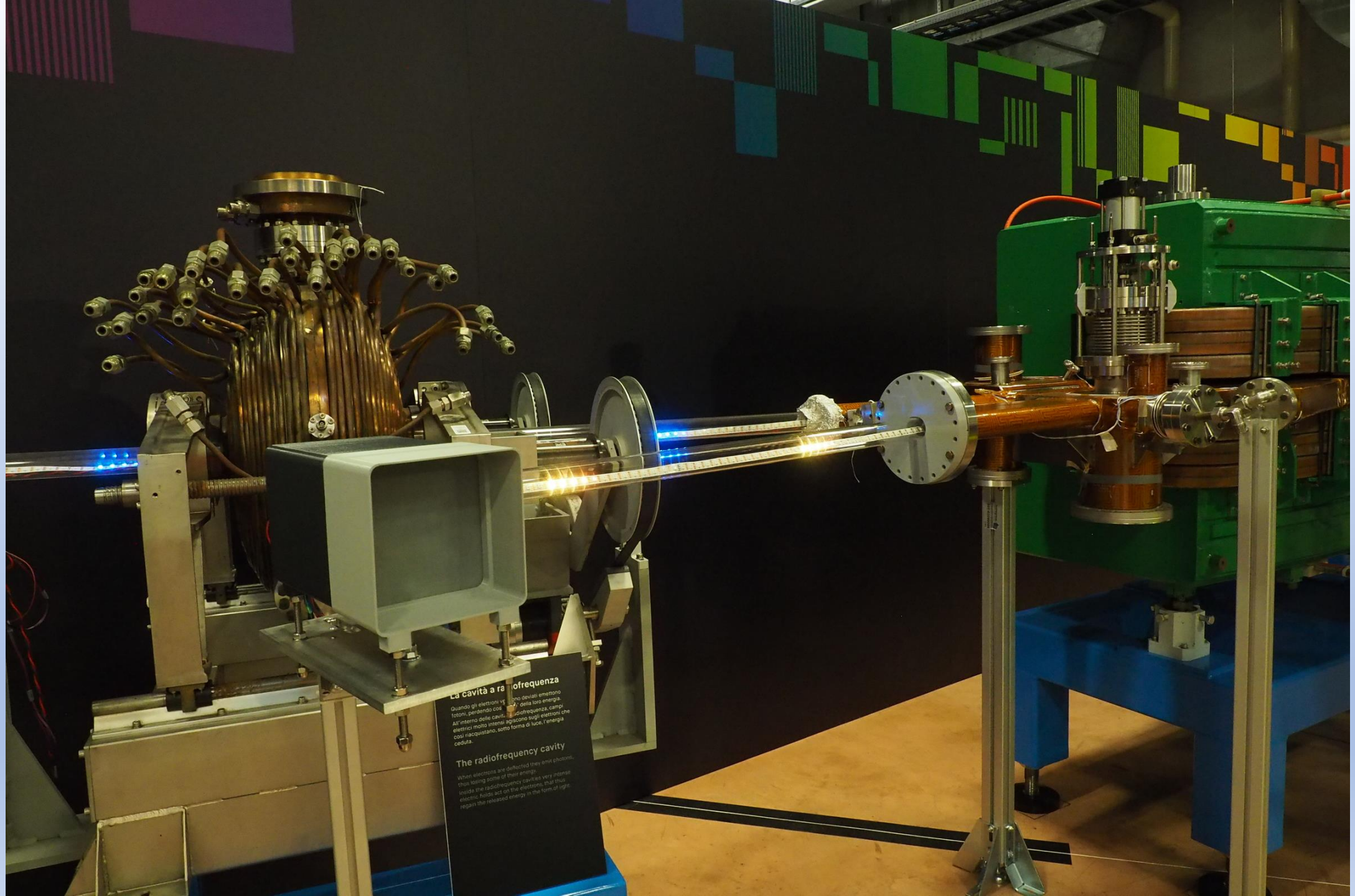


LINEE FEL TELEFONO RESPONSABILE			
L.M.	3023	80073	
T.W.E.X.	8017	80050	
T.W.E.R.	8017	1202	
D.P.F.C.	8016	80070	
M.A.G.N.E.D.I.N.	8017	80053	
T.E.R.A.F.E.R.M.	8017	80052	









La cavità a radiofrequenza

Quando gli elettroni viaggiano ad alta velocità, emettono fotoni, perdendo così parte della loro energia. All'interno della cavità, i campi elettromagnetici ad alta frequenza agiscono sugli elettroni che così acquistano, sotto forma di luce, l'energia ceduta.

The radiofrequency cavity

When electrons are deflected they emit photons, thus losing some of their energy. Inside the radiofrequency cavity, very intense electric fields act on the electrons, that thus regain the released energy in the form of light.



