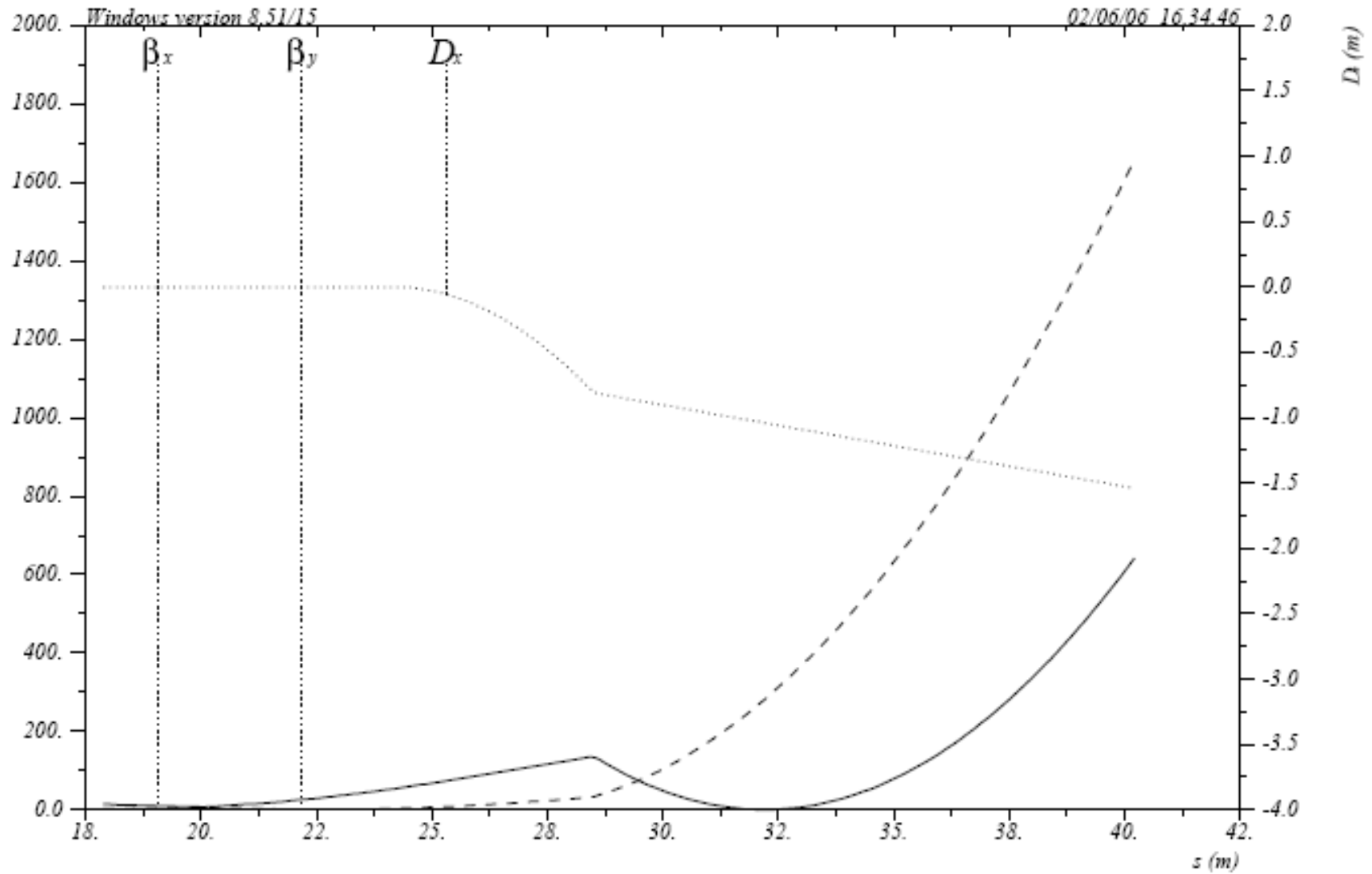
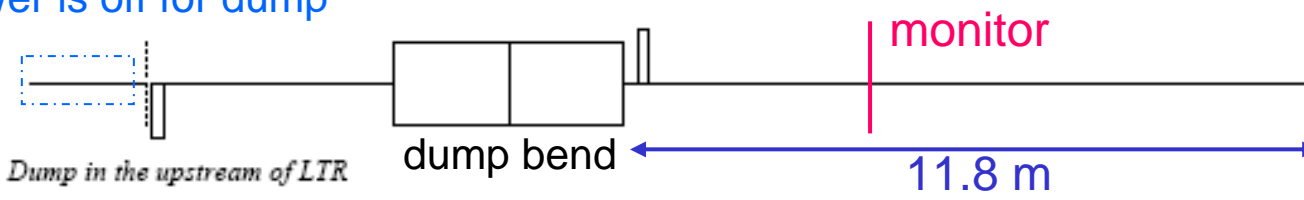


Detail of elements

- One matching section (not shown in the plot) connected eBooster to the entrance of emittance station.
- Emittance measurements: 2 FODOs;
- ARC section: $7 \times 7.931^\circ$ ($7 \times \pi/2$ spin precession); R56 is 96 cm, which is adjusted flexibly:
 - 69-126 cm only matching arc quads
 - 36-66 cm when bending angle is $5 \times 7.931^\circ$(note twiss parameter at the arc exit is always kept constant when changing R56)
- RF section is ~6 m
- Solenoid section is $4.16 \text{ m} \times 2 \times 3.16 \text{ T} = 26.2 \text{ T.m}$
- 3 stoppers for PPS: each stopper occupies ~1 m space in the arc.

1st LTR bend,
power is off for dump



Details of dump

- At the monitor position, the dispersion dominates the beam size, the energy spectrometer resolution is 0.1%
- Beam size at the dump window

Energy spread	0.0%	10%
σ_x/σ_y (e-)	1.1cm/1.7cm	15.4cm/1.7cm
σ_x/σ_y (e+)	6.3cm/10cm	16.6cm/10cm

(note σ is half width)

- Dump bend: 20deg of angle and 4m of length.
- Quad strength is similar to LTR
- The distance between the bend exit to dump window is 11.8 m