

BBLR MD 29.07., 30.07.04

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help from BDI: J. Albertone, G. Ferioli, L. Jensen, R. Jones

help from PS: E. Metral & colleagues

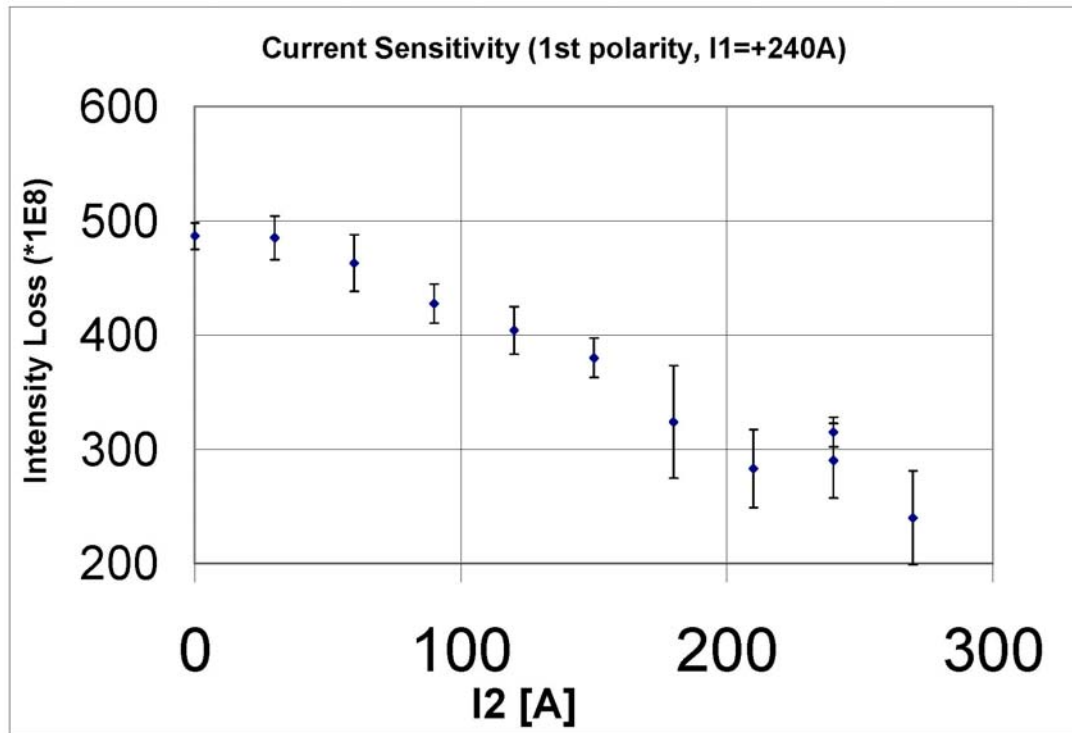
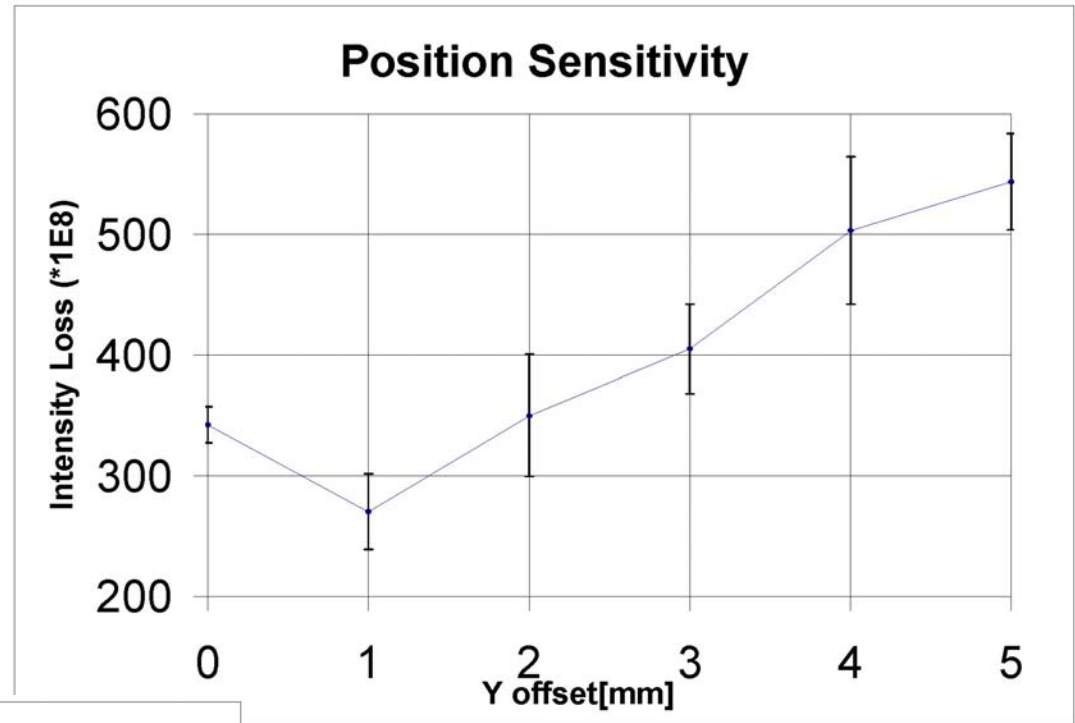
measurements: beam loss (PMT), lifetime (BCT), wire scans,
tunes, orbits, 1000-turn BPM data

conditions: (A) 0 BBLR, (B) 1 BBLR, (C) 2 BBLR
tunes (0.174,0.153) and (0.31,0.32)

scans: BBLR-2 current, BBLR-2 distance, tunes QX, QY,
& scraper (failed)

lots of data to be analyzed

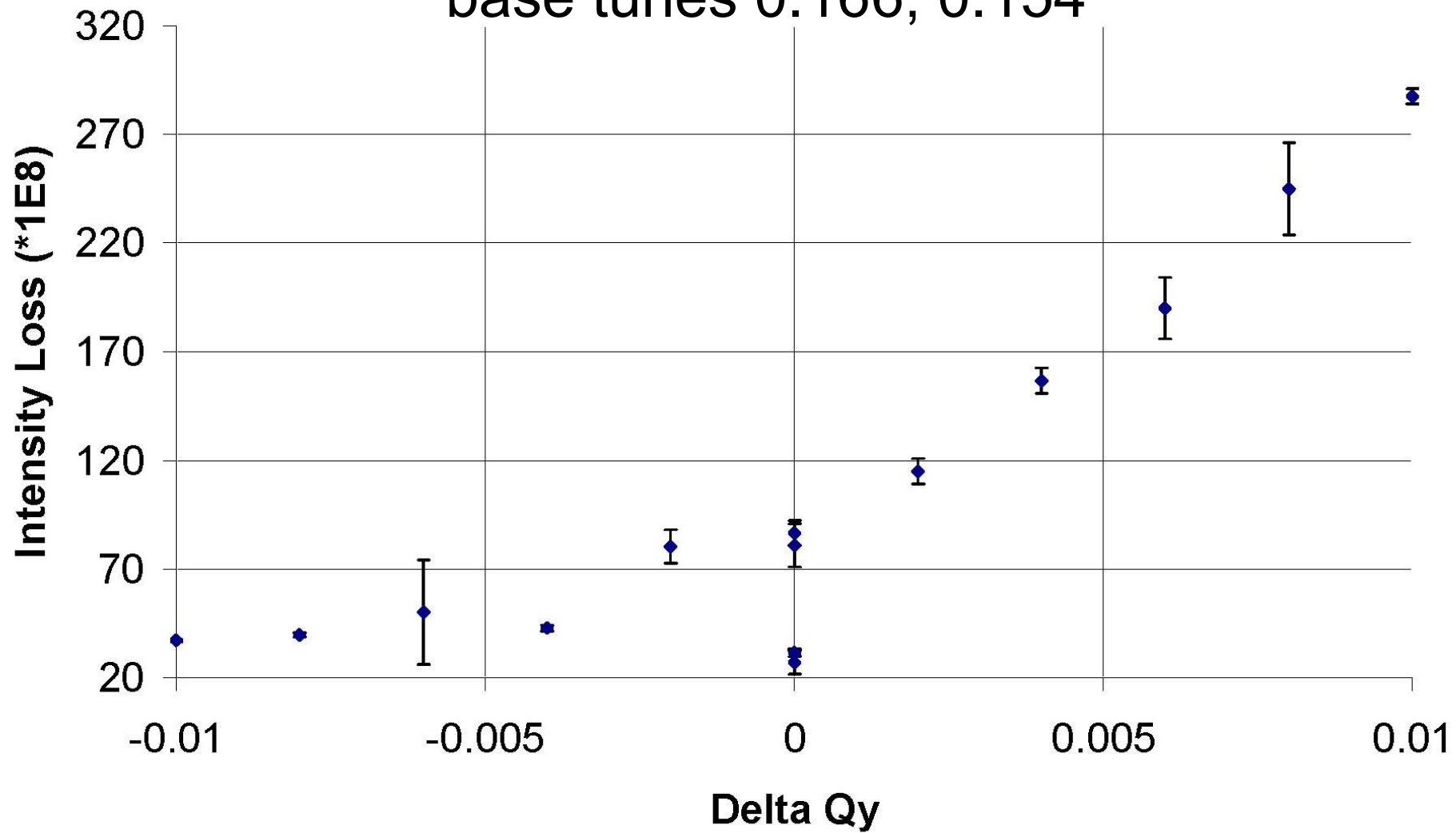
optimum distance
~1 mm off



optimum current
 ≥ 240 A
(equal to other
BBLR)

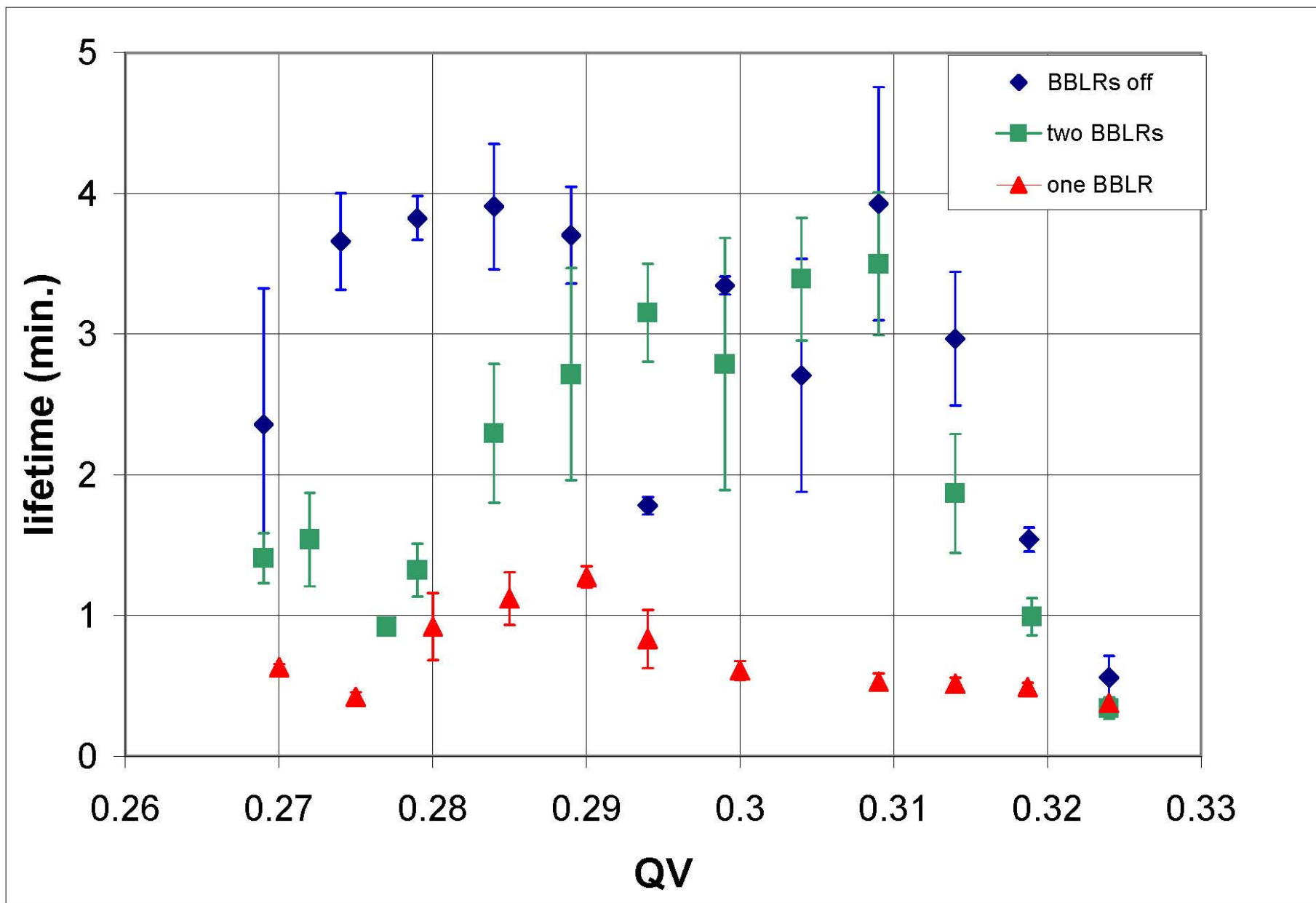
Qy scan ($I_1 = -240A = I_2$)

base tunes 0.166, 0.154



large sensitivity, both BBLRs on

base tunes 0.31, 0.32



perfect compensation @0.30-0.33, little @0.27-0.28