

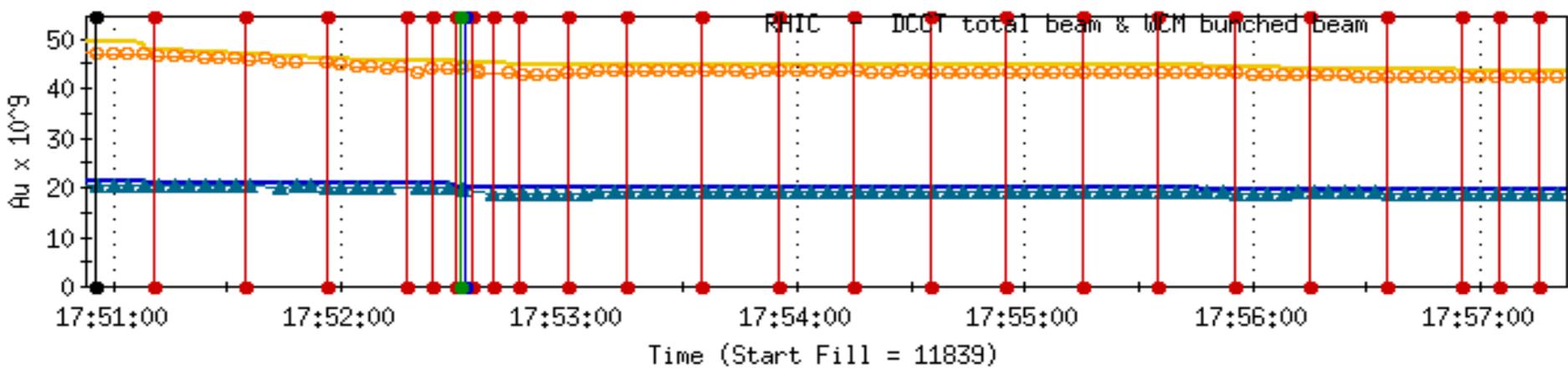
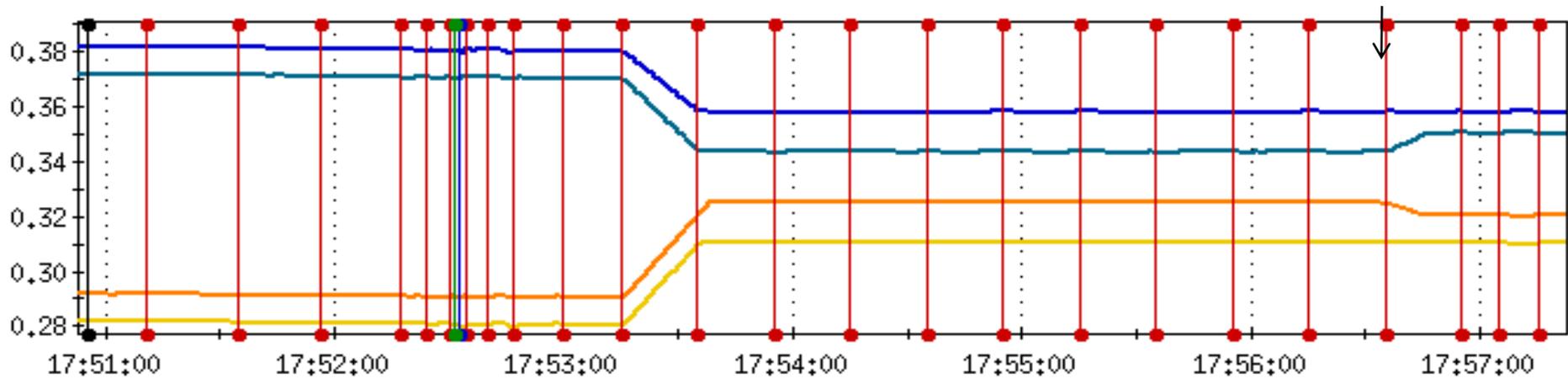
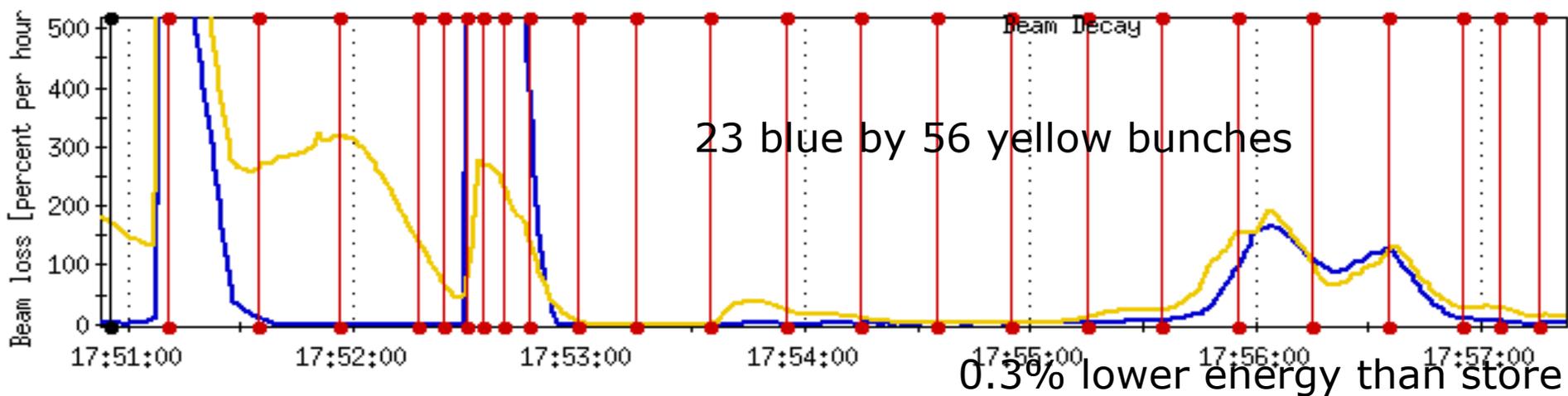
Acceleration near 3rd order res. WP

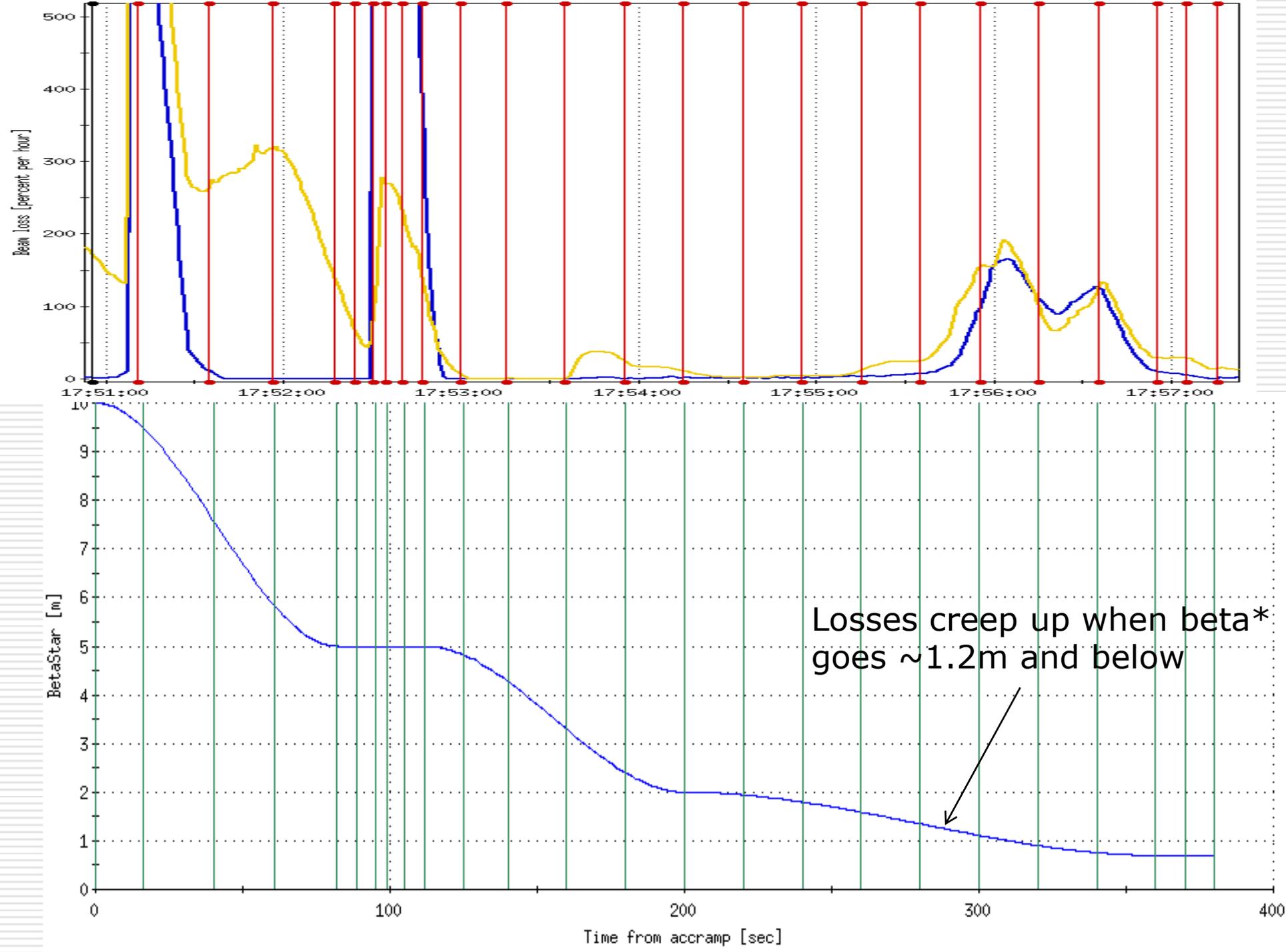
- Goal:
 - Accelerate full intensity beams ($>1.0 \times 10^9$ bunch intensity, 111x111) to store energy with vertical betatron tune at ~ 0.005 distance from $1/3$
 - reproducibility of the ramp
 - Team:

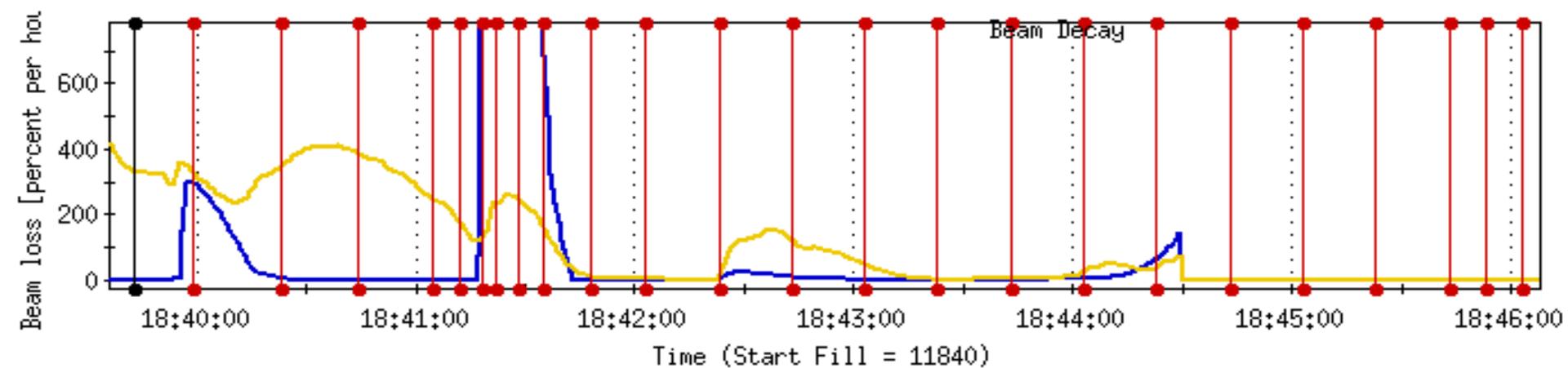
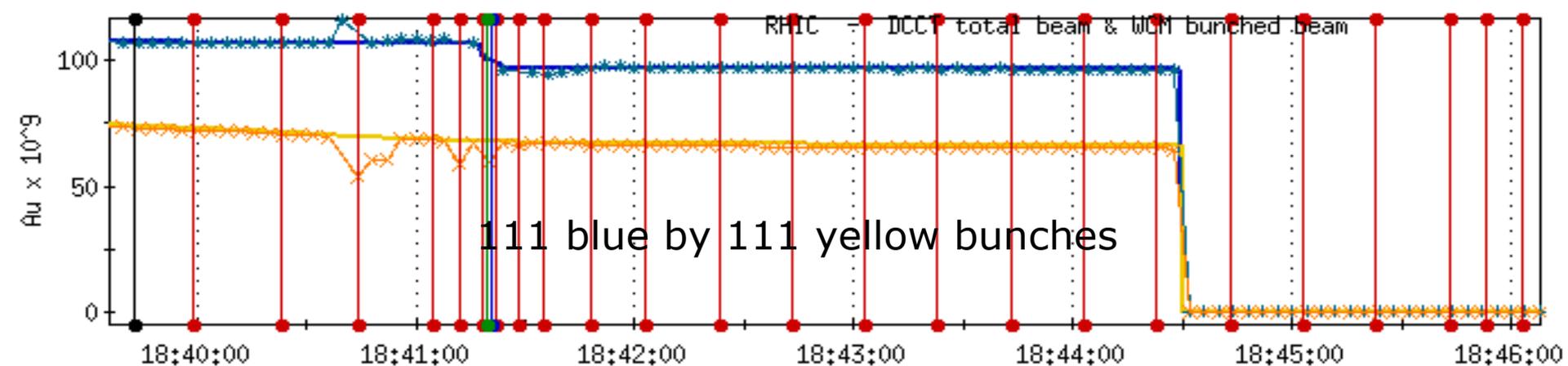
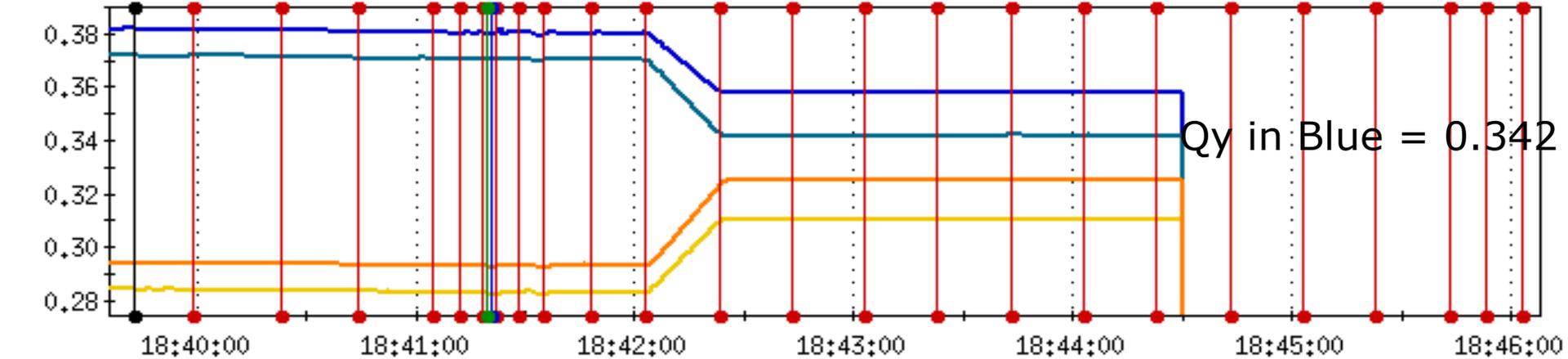
Vincent, Al, Michiko, Steve, Don, Yun, Guillaume, Mei, Todd, Wolfram, Fulvia, Vadim, Greg, Dejan, ...
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Status of Au104 third development

- 23 Blue bunches and 56 Yellow bunches made to store energy with
 - Blue working pt: 0.358, 0.343
 - Yellow working pt: 0.31, 0.325
 - Bunch intensity is about $\sim 1 \times 10^{11}$
 - Very encouraging!
 - Tried 111x111 ramp, but failed due to permit pull triggered by beam losses in Blue
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Plans

- Coming session on 3/9-10:
 - Steve prepared a new ramp Au104third2, in which beta* squeeze from 1.7m to 0.7m is stopped for the final part of the ramp
 - Test Au104third2 by Don and other ps experts
 - No beam work
 - Development with beam can be resumed as soon as this new ramp is tested and tuned up.
 - Estimate: 12-24 hours beam time
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