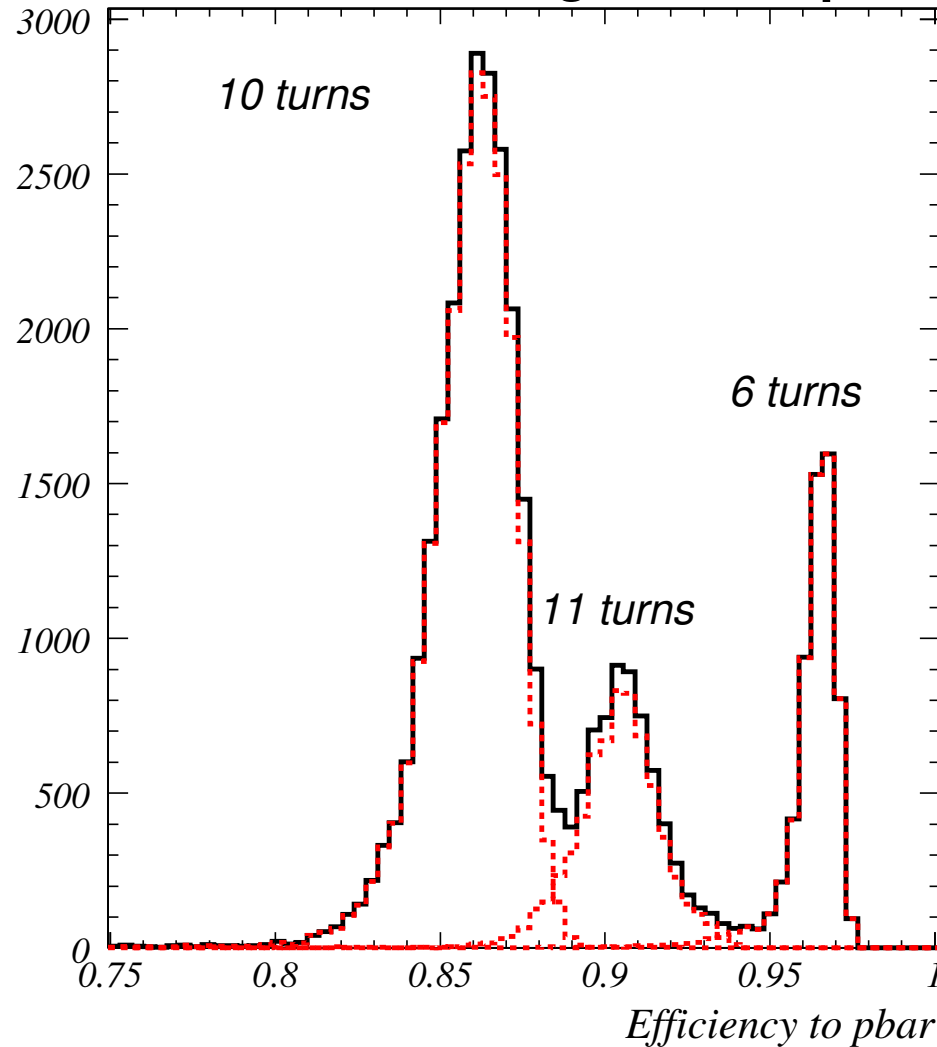


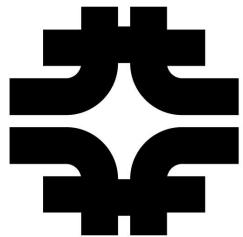
Mixed mode, since Weds am

P. Adamson
University College London
Fermilab Accelerator Division



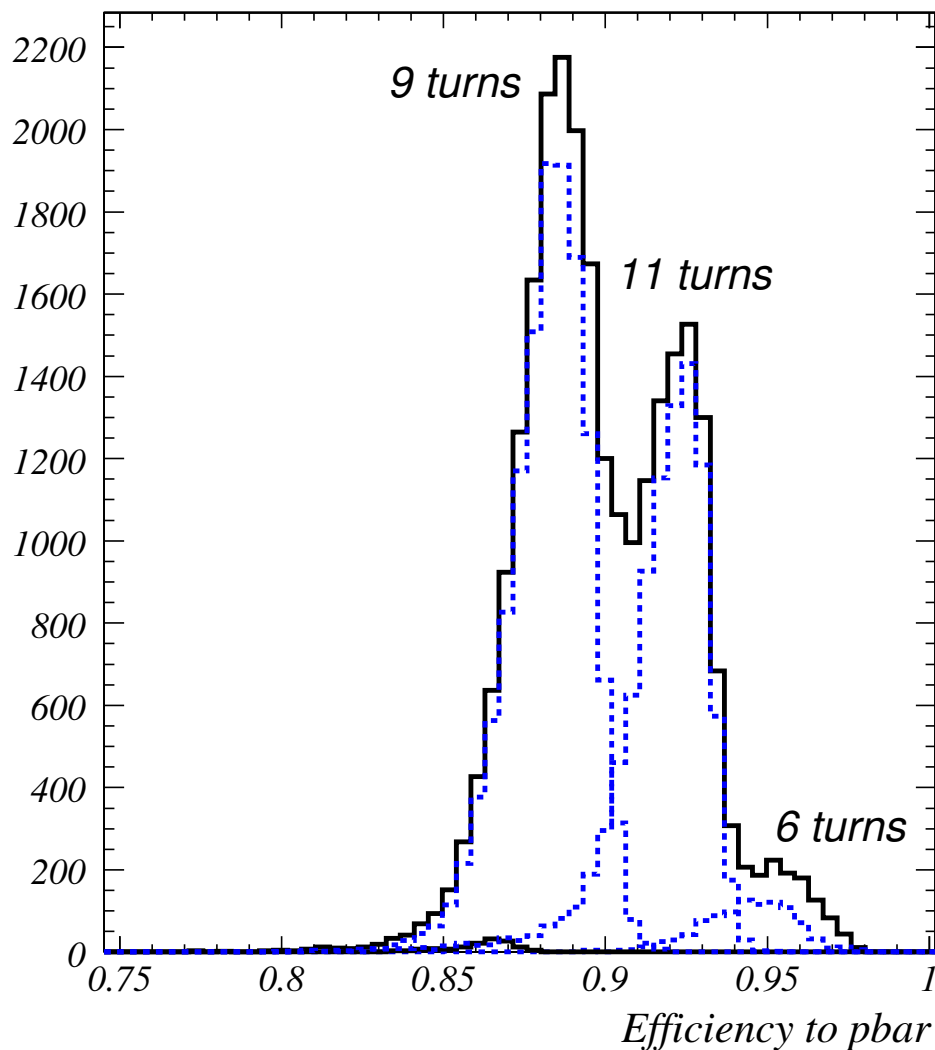
Mixed mode, showing turns to pbar

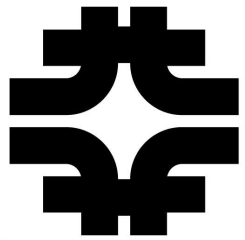




\$29 since Weds am

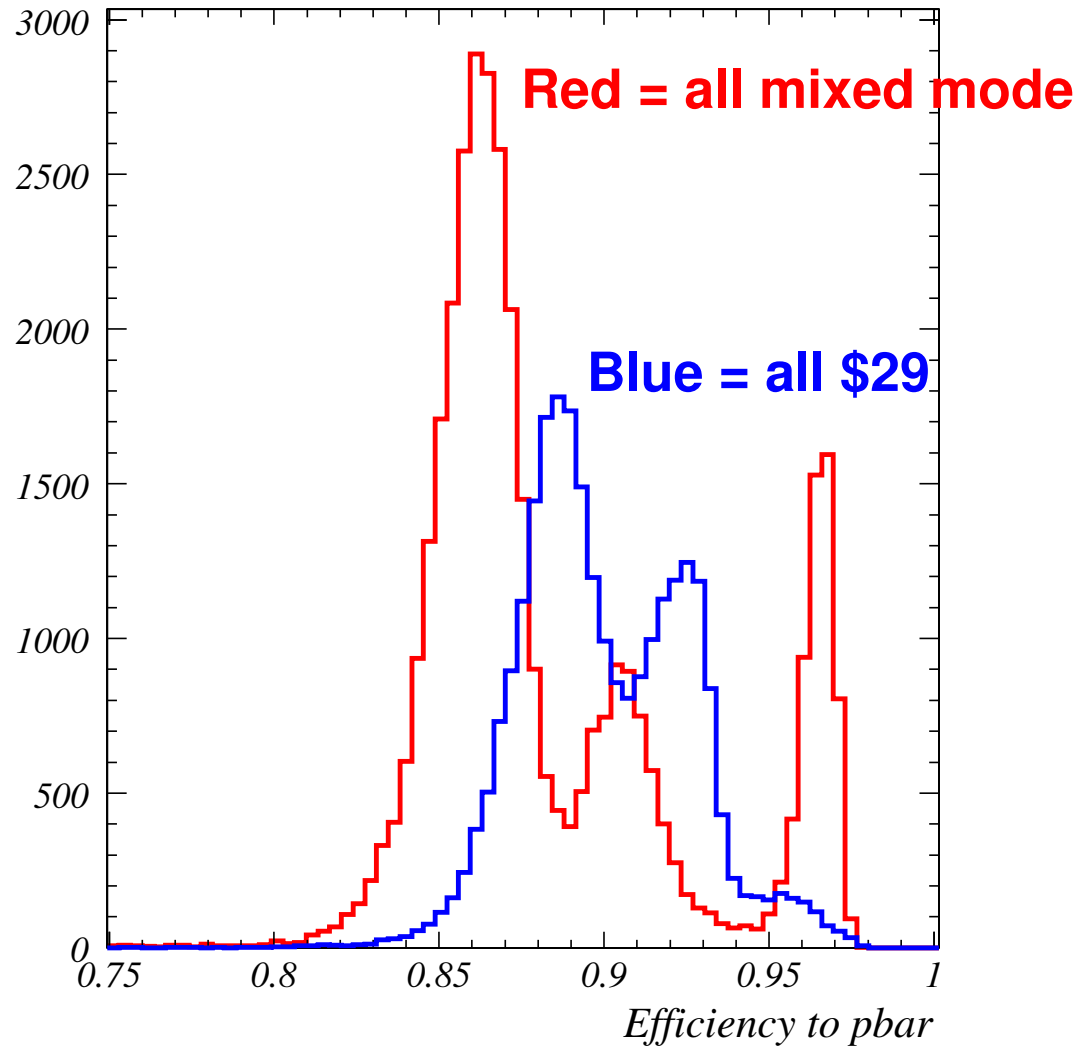
\$29, showing turns to pbar

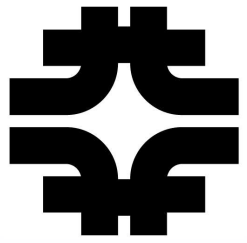




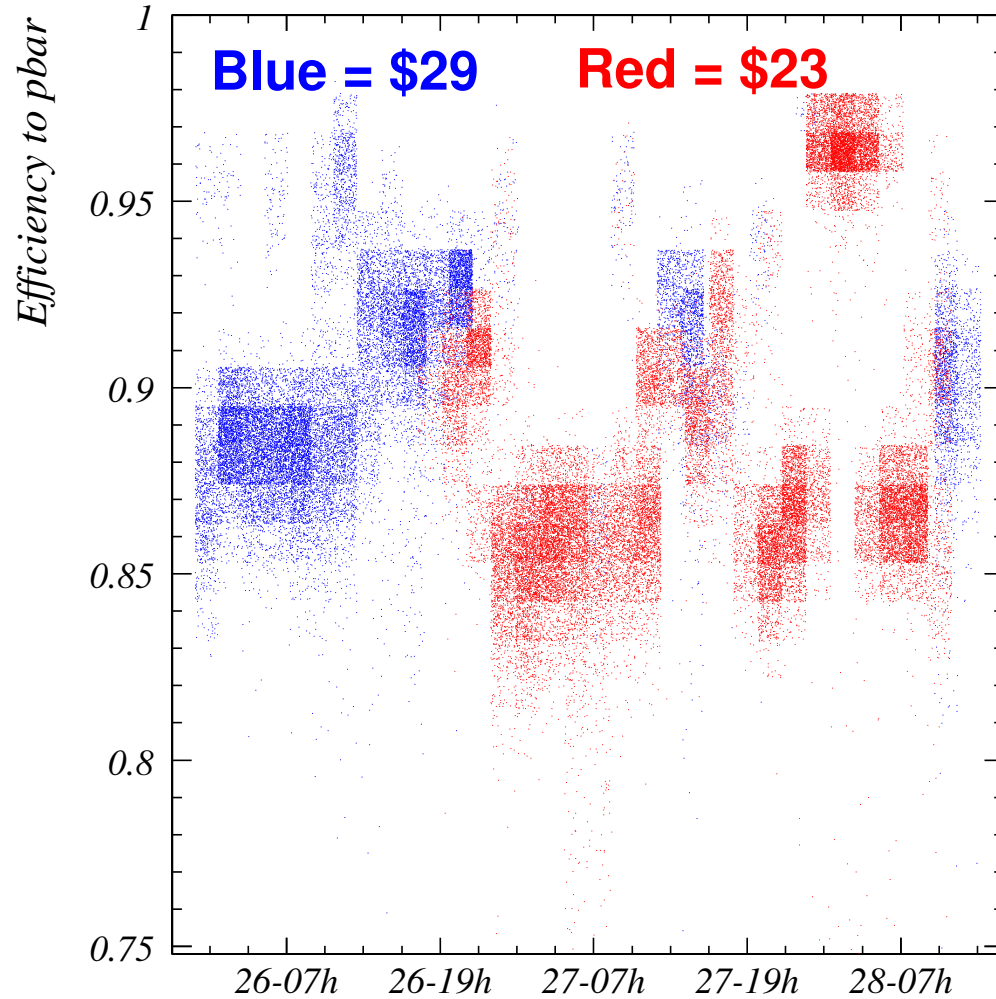
Compare \$29, \$23

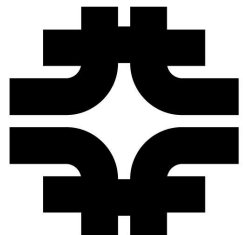
P. Adamson
University College London
Fermilab Accelerator Division





Efficiency vs time





Toy program

```
I123                               MI Losses                               ◆Pgm_Tools◆

LLRF state:  28

G:TURN14:    12           Beam to pbar:  7.1742
G:TURN19:    11           Beam to NuMI:  -.0286

Inj loss:    .00583      --ave--> .01061
8 GeV loss:  .26418      --ave--> .15863
Ramp loss:   .35006      --ave--> .5071
Trans loss:  .00306      --ave--> .01167

Extraction efficiency:  98.599
Pbar Efficiency:        91.156
NuMI efficiency:        0

----- Messages -----
Injection scale is now 0.984367
Injection scale is now 0.984497
Injection scale is now 0.984579
Injection scale is now 0.984703
1: 4 of 22
```