Crystal Collimator

Sep 15, 2008 Shift Data Analysis

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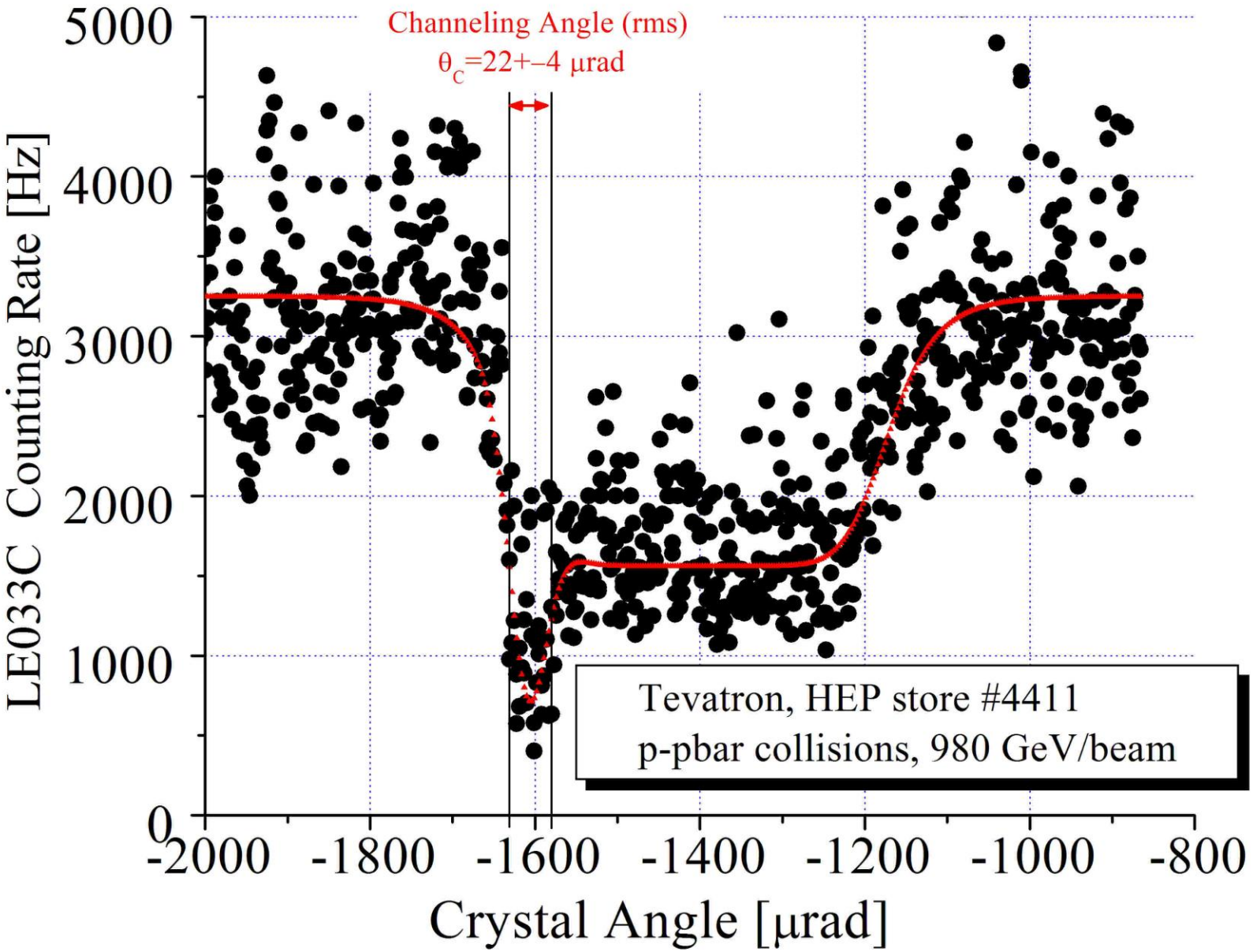
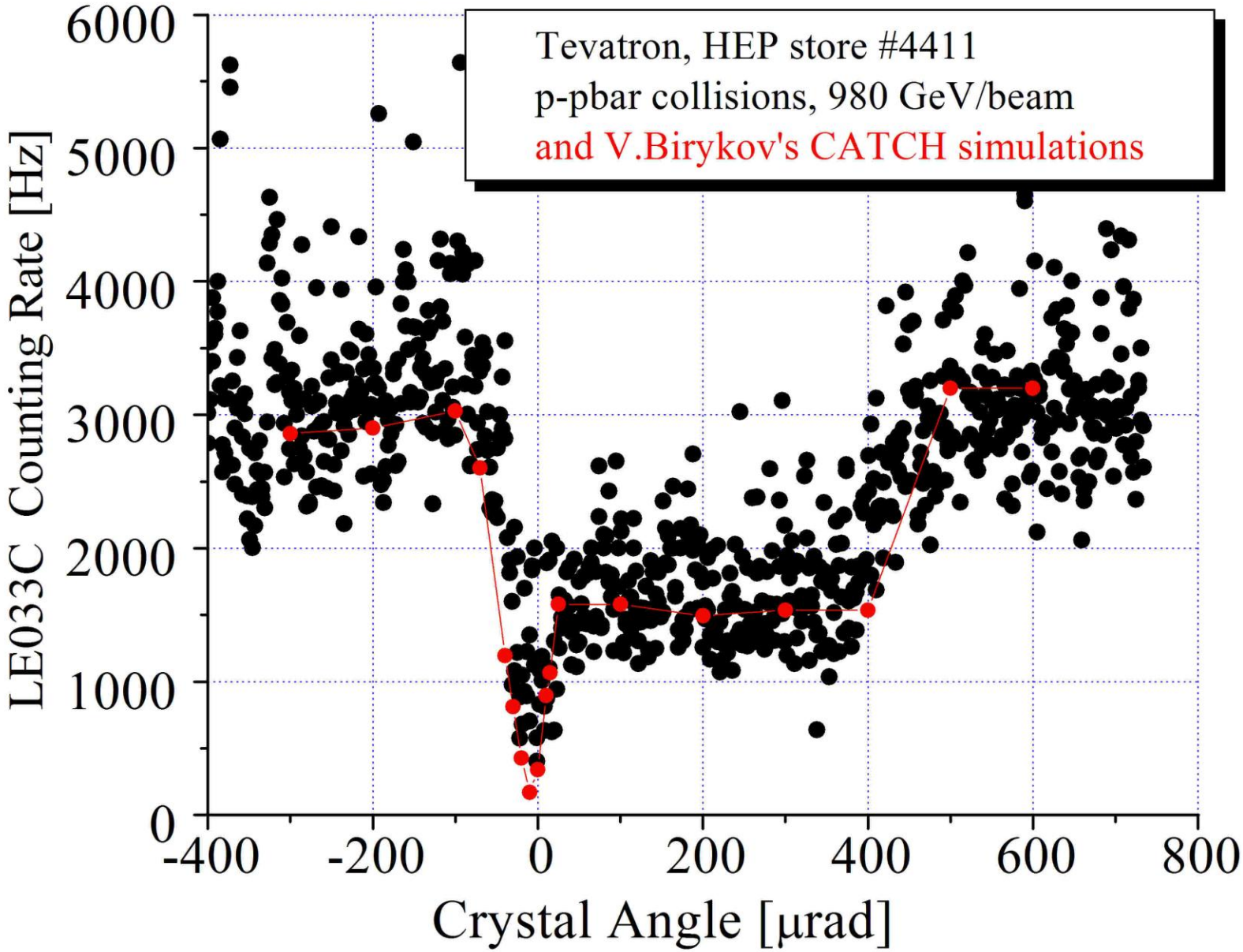
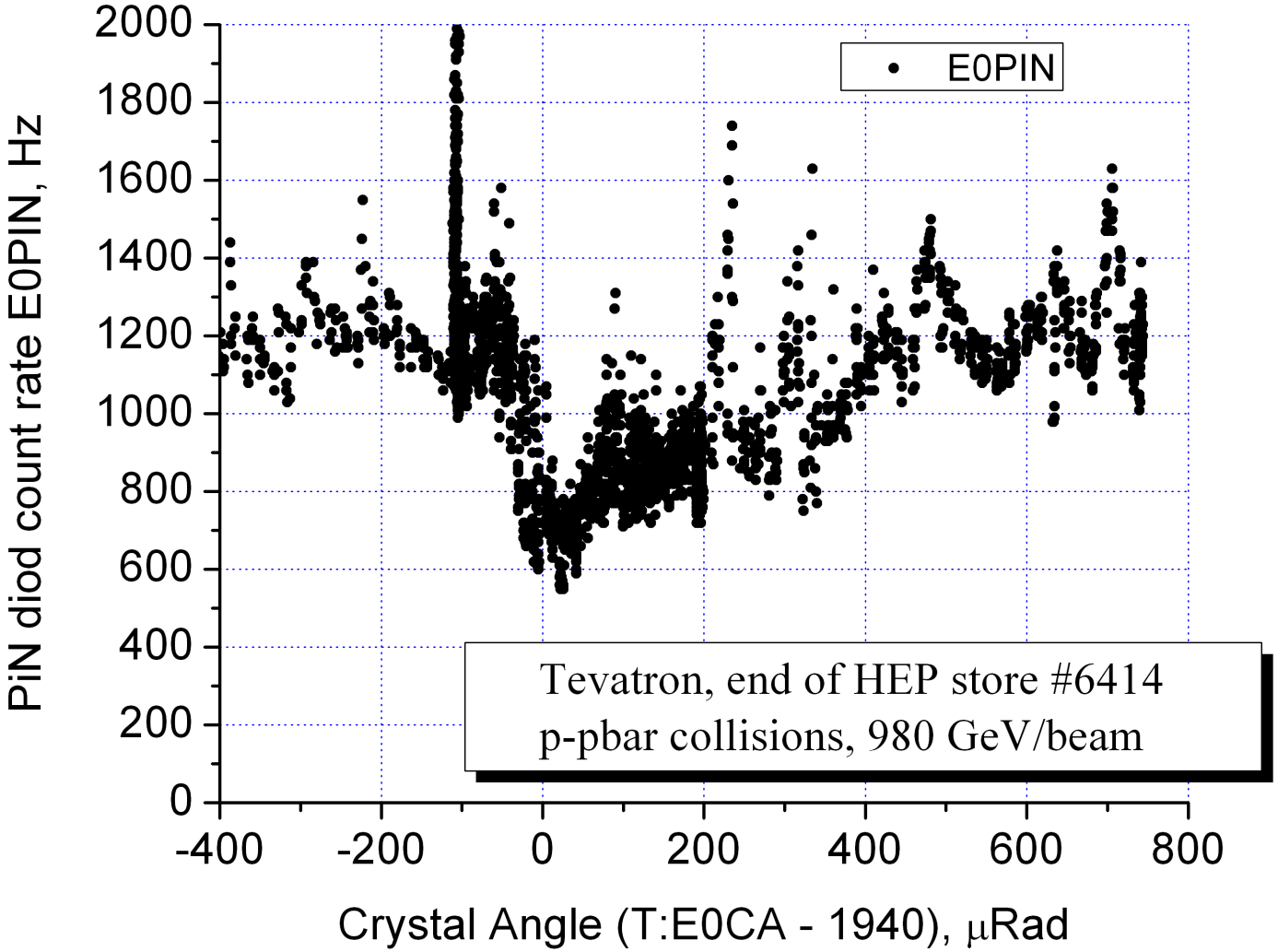
Reminder: 2005 Results



Reminder: 2005 Results

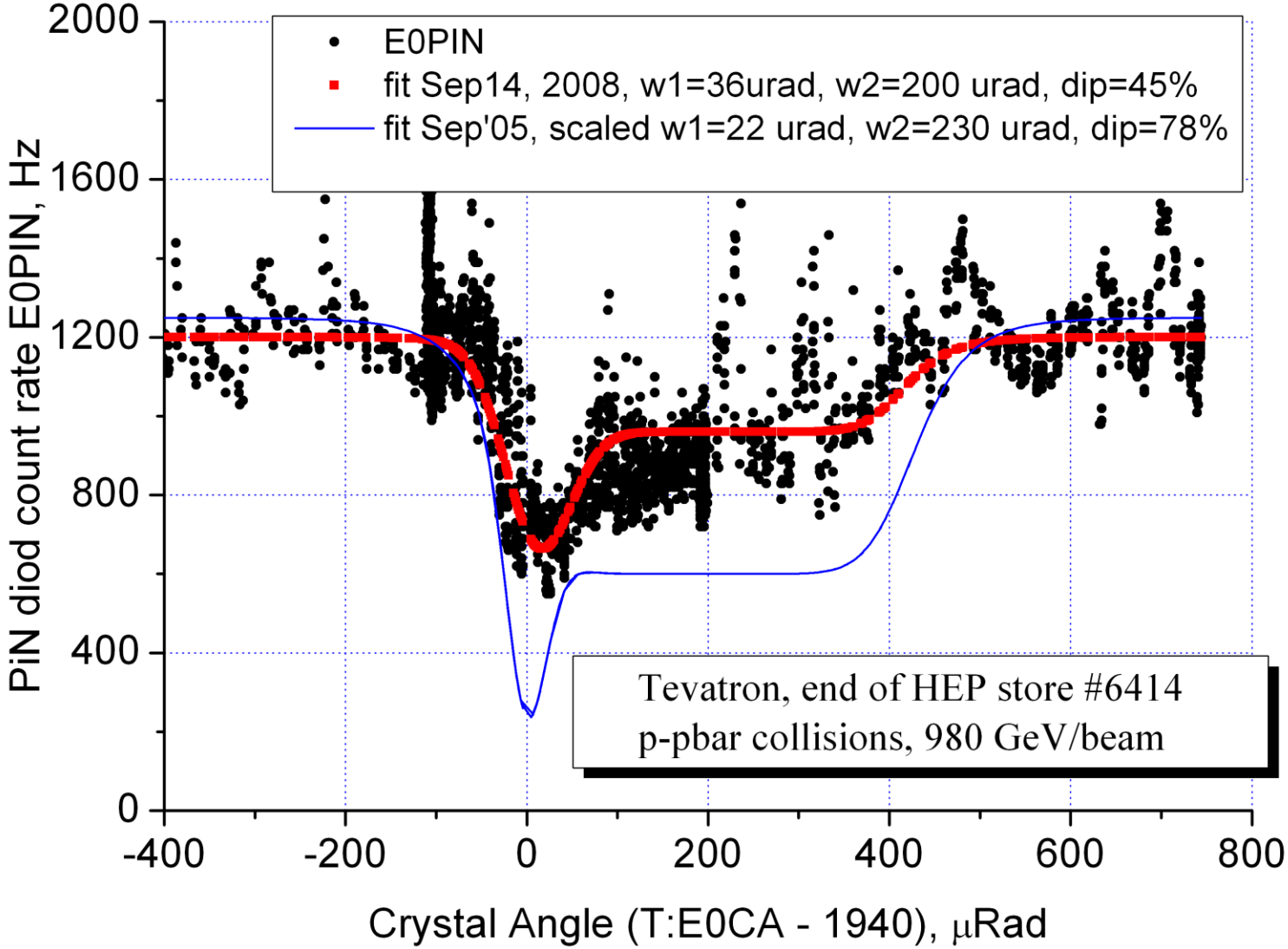


EoS #6414 (09/14/08) Results

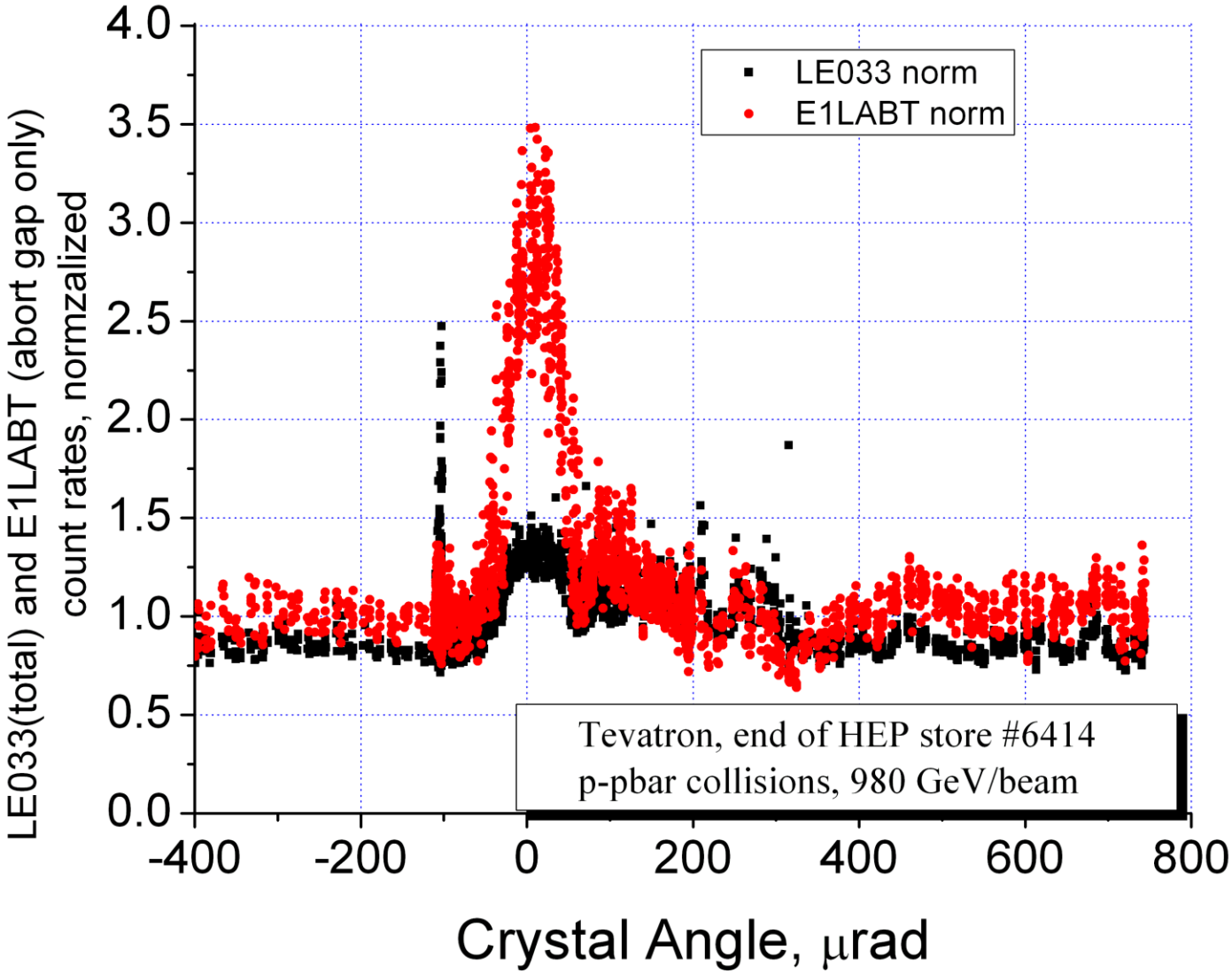


Let's fit as in 2005 →

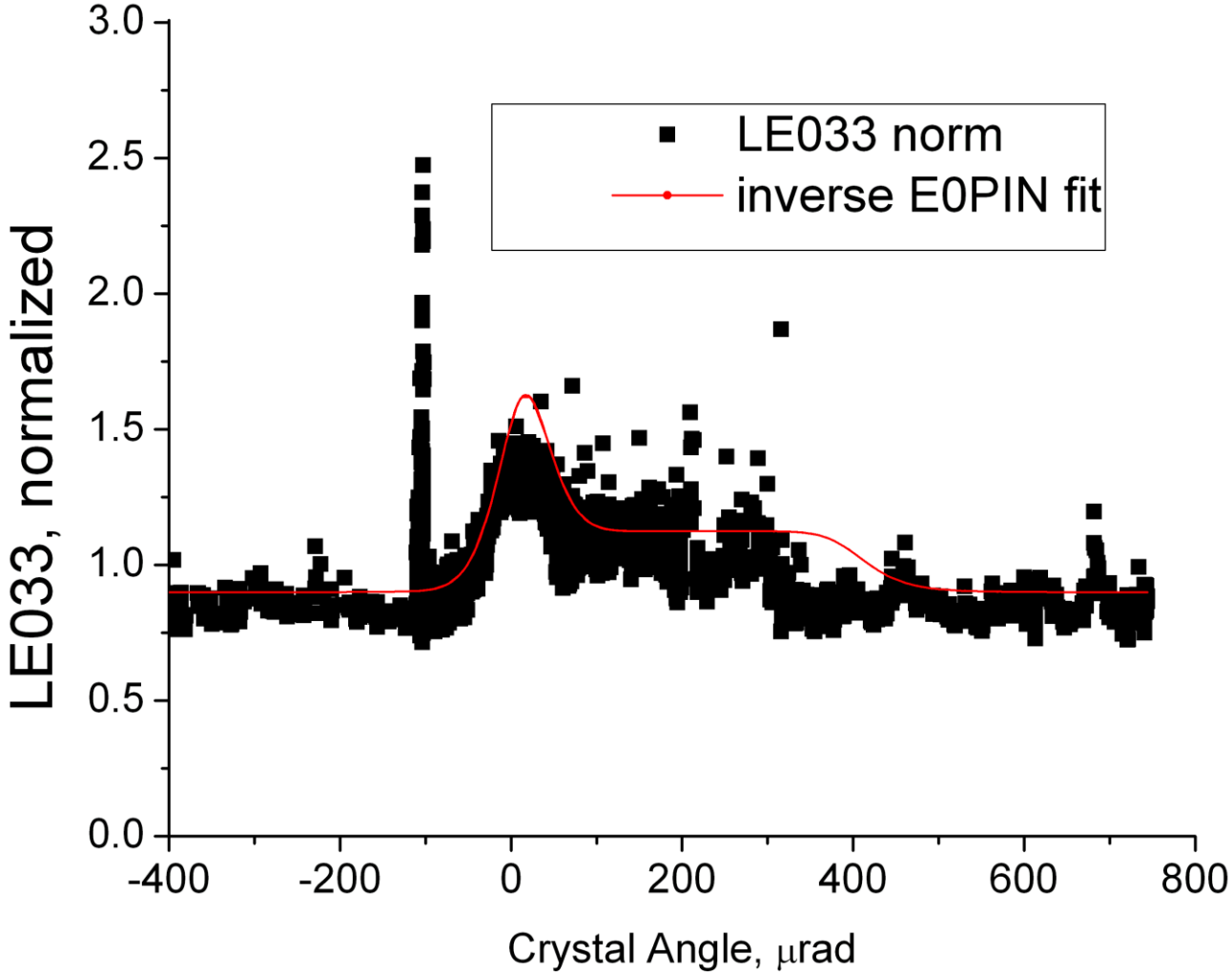
Fit=1200*(1-0.20/(1+(abs(X-220))/200)^8)-0.36*exp(-(X-10)^2/36^2/2))



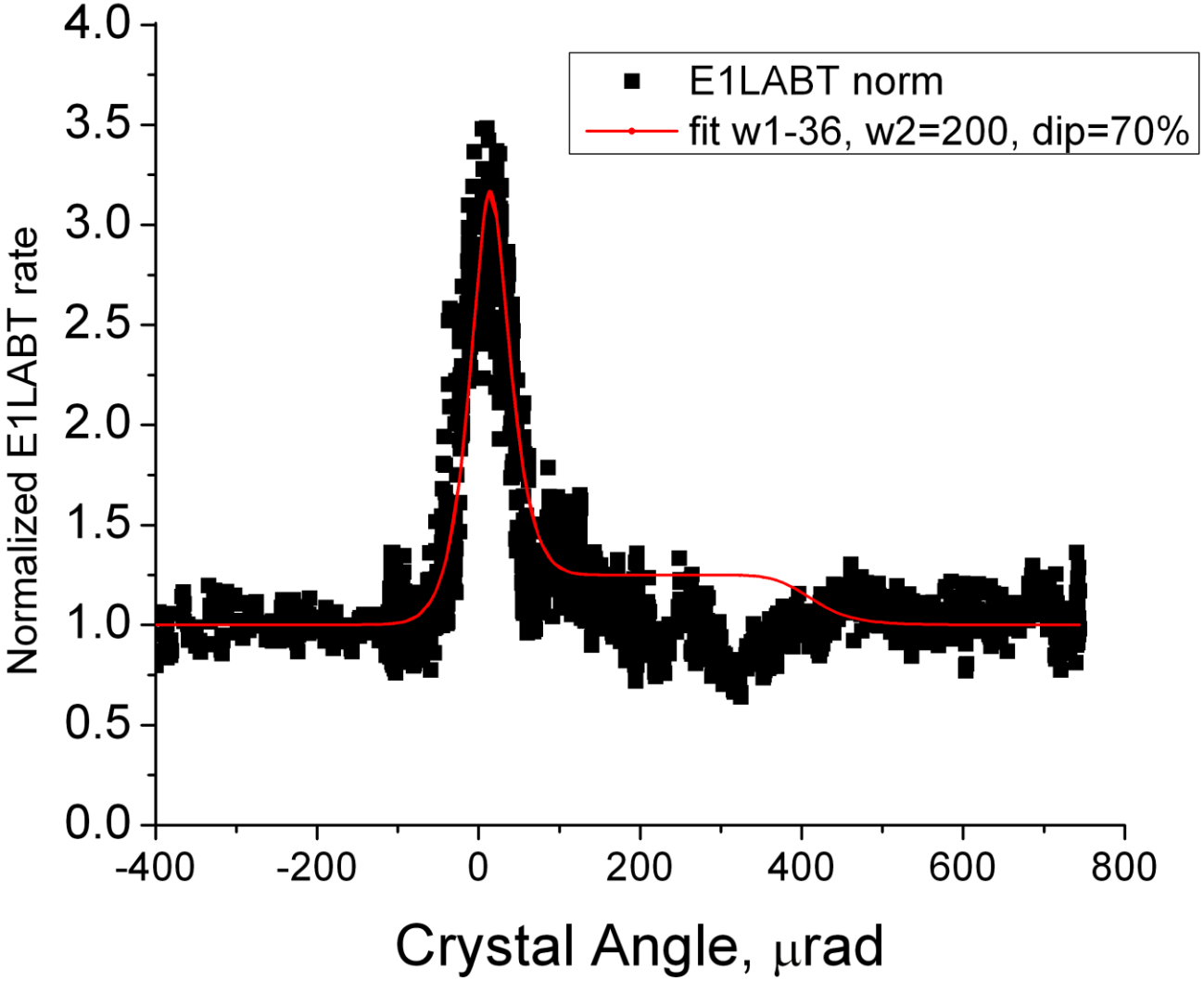
Abort gap losses vs LE033



LE033 can be fit by E0PIN fit -?



E1ALABT needs “sharper” fit



Summary

- E0PIN signal does NOT look like in Sep 2005:
  - 50% wider (22 urad →36 urad)
  - Not as deep (78% → 45%)
- Inverted LE033 signal ~ follows E0PIN
- E0LABT – gated abort gap counter - has more prominent peak:
  - Still wider w=36 urad
  - No plateau seen – DC beam particles not volume reflected/captured?