Final Words

David Stuart,
UC Santa Barbara
Thanks to HEFTI for organizing this chance for communication.
Trigger bias

• The experimentalists here are biased toward a signature driven approach.
Trigger Challenges

• Two signature approaches in the trigger:
  – Combinations of SM objects
  – Non-SM objects (e.g. quirky curvature)
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We have blind spots.
Getting around blind spots

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  – we can get them, iff we focus on them.
    • Triggers on non-SM objects requires carefully crafted triggers, replacing the anomaly rejection with other things.
    • This is an on-going task, as L increases.
    • Need to avoid focusing so much that we develop new blind spots. A BSM bias is almost as bad as a SM bias.
• This is a full time job.
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• For these non-standard searches, one needs to make a proposal to the collaboration for trigger time, maybe build a missing piece, (re)write the reconstruction and do the analysis.
Focusing broadly is helped by this sort of theorist⇔experimentalist collaboration.
Focusing broadly is helped by this sort of theorist⇔experimentalist collaboration. This is also an ongoing task.
Discovering the Unexpected
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Look over what’s over-looked